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# 2020-2021 Middle School / Junior High Practice Questions

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## 1 Famous People

Which French Queen, born the youngest daughter of Empress Maria Teresa, is incorrectly rumored to have said "let them eat cake?"

[Marie] Antionette

## 6 [P&P] Sequences and series

What is the next number in this series?  
5, 9, 13, 17...

21

## 2 Pay Inequities

In 2019, US players of what sport sued for equal pay after winning the Women's World Cup, on the grounds that they were paid less than 10% of what male players were paid when the men's team had not even qualified to compete in the Men's World Cup?

Soccer

## 7 Advanced Education

One might get a PhD in Materials Science and Engineering or one might get a PhD in Art History. Regardless, in both cases, the meaning of PhD remains Doctor of ...

Philosophy

## 3 Budget Shortfalls

In a recession, governments tend to increase spending and take in less revenue. What is the term for the resulting shortfall?

Deficit

## 8 Record Rivers

What is the longest river in the world?

[The] Nile [River]

## 4 Scientific Advancements

A groundbreaking gene modification technique of the early 21st century is commonly known by what acronym that sounds like something you might find in your fridge?

CRISPR

## 9 19th Century Literature

Who created the following characters?  
George Wickham  
Charlotte Lucas  
Caroline Bingley  
Mr. Fitzwilliam Darcy  
Jane Bennet

[Jane] Austen

## 5 Tiny Physics

While once thought to be fundamental particles, it is now accepted that protons and neutrons are each made up of what type of fundamental particle?

Quarks OR Fermions

## 10 [P&P] Variable Ratios

If  $2a$  over  $b$  is equal to  $1/3$ , what is the value of  $b$  over  $a$ ?

6

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## 11 Hurricane Anatomy

What is the term for the wind-free area at the center of a hurricane?

Eye

## 12 Mega-Download

What web browser set a 2008 Guinness World Record for largest number of software downloads in 24 hours?

Mozilla Firefox OR Firefox [REJECT Chrome OR Internet Explorer]

## 13 Federal Buearacracy

Which federal administration is responsible for approving vaccines for general use?

FDA OR Food and Drug Administration

## 14 [P&P] Presidential Chronology

Put the following three US presidents whose surnames began with R in chronological order: Franklin D. Roosevelt, Ronald Reagan, Theodore Roosevelt.

(In order) Theadore [Teddy] Roosevelt, Franklin Delano [FD] Roosevelt, Reagan. PROMPT on Roosevelt without first name or initial

## 15 Architectural Innovations

Flying buttresses and pointed arches are characteristic elements of what style of architecture that flourished in the High and Late Middle Ages?

Gothic [Architecture]

## 16 Unique Skills

What is the only animal in the world to produce cubic poop?

Wombat(s)

## 17 New Words

The word quixotic is used to describe someone who is "foolishly impractical especially in the pursuit of ideals." This word springs from the name of what larger than life character from Spanish Literature?

Don Quixote [de La Mancha]

## 18 Famous Last Lines

What three words complete the last line in this poem by Robert Frost:

"Two roads diverged in a wood and I,  
I took the one less traveled by  
And that has made \_\_\_\_\_"

all the difference (MUST HAVE WHOLE THING)

## 19 Sorts of Stock

Sometimes called reacquired stock, shares of its own stock that a company buys back from the public are more commonly known as what kind of stock?

Treasury [Stock]

## 20 Gravity

Given that the gravitational acceleration of the Earth is approximately six times that of its moon, a person who weighs 120 pounds on the earth will weigh how much on the moon?

20 [pounds]

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## 21 [P&P] Lines

Create an equation, in slope-intercept form, for the line that passes through the point (3,7) [three comma seven] and is perpendicular to the line  $y=3x+7$ .

$$y=(-1/3)x+8$$

## 22 Flag Symbolism

How many stars are on the Minnesota state flag?

19 OR 20 (the 19 are arranged in a star shape)

## 23 Periodic Table

What gases are known as the "royalty" of the periodic table?

[The] noble [gases]

## 24 Plucky Sidekicks

Name Robinson Crusoe's servant and traveling companion.

Friday

## 25 Econ 101

In economics, the price of any product depends on the demand for the product and its what?

Supply

## 26 Pagan Rituals

Which sporting event was abolished in 393 AD by the Christian Roman emperor Theodosius I [Theodoh-see-us the first] because of its roots in ancient Greek paganism?

The Olympics OR The Olympic Games

## 27 Important Autobiographies

What journalist conducted a series of interviews with Malcolm X between 1963 and 1965 in order to coauthor his autobiography?

[Alex] Haley

## 28 A Driving Goal

A formal summary of the aims and values of a company, organization, or individual is called what?

Mission [Statement] OR Vision [Statement]

## 29 [P&P] Elements of Weather and Climate

What element is missing from this list of the six primary elements used in describing weather and climate? Humidity, type and amount of cloudiness, type and amount of precipitation, air pressure, speed and direction of wind, and what else?

[air] temperature

## 30 Natural Wonders

At over 3,000 feet tall, Angel Falls is the tallest waterfall in the world. What country is it in?

Venezuela

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## 31 Staying wealthy

According to *Forbes* 2020 list, who is STILL the world's richest man, despite having given \$36 billion to his ex-wife as part of their divorce settlement?

[Jeff] Bezos

## 32 Green Energy

What process in plants converts carbon dioxide in the air to sugar, using the energy provided by sunlight?

Photosynthesis

## 33 Expensive Art

Which famous Dutch painter's "Irises" and "Portrait of Dr. Gachet" have each held the record for most expensive painting sold?

[Vincent] van Gogh

## 34 Pandemics by any other Name

The bubonic plague, an epidemic spreading through Europe in the mid-14th century that killed up to half the population in some areas, is better known by what colorful phrase?

Black Death OR Black Plague

## 35 Lunar Phases

At sunset when you see the moon rising in the east, which phase of the moon are you witnessing?

Full [Moon]

## 36 [P&P] Foodie Fractions

A Chicago-style pizza is cut into squares.  $\frac{2}{3}$  of the pizza is 16 slices. How many slices does the entire pizza have?

24

## 37 Groovy Song Lyrics

What literary device is illustrated in this line from a song by Simon and Garfunkel?

"Like a bridge over troubled water, I will ease your mind."

Simile

## 38 Secret Romances

In the 1830s, French novelist George Sand began a decade-long relationship with what Polish composer, known for his nocturnes and etudes?

[Frederic] Chopin

## 39 Alphabetic Countries

There are 5 countries in Africa that begin with the letter G. One is The Gambia. Name 2 of the other 4.

Gabon, Guinea, Guinea-Bissau, Ghana

## 40 Influencing Others

Ernest Hemingway once wrote that all American literature comes from this one book by Mark Twain -- name it.

*The Adventures of Huckleberry Finn* [REJECT Tom Sawyer]

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### 41 Turtle Lingo

Whereas the bottom of a turtle's shell is called the "plastron" (PLASS-tron), the visible top part is called the what?

Carapace

### 46 Memoirs

This Pulitzer prize winning author wrote at least 60 novels, but his most well-known piece is a memoir entitled *Night* about his experiences during the Holocaust. Name this author and activist, who died in 2016.

[Elie] Wiesel

### 42 Colorful Characters

This character, with his missing leg and his parrot, has had a large influence on the popular image of pirates in our culture today. Who is this swashbuckling antagonist in *Treasure Island*?

Long John Silver

### 47 [P&P] Equations

There are 30 students in a class and 10 are wearing blue shirts. Five times what number represents the number of students wearing a different color?

4

### 43 Getting Things Done

What phrase in physics describes the following? Pulleys, inclined planes, screws, levers, and wedges.

Simple machines (must have both words)

### 48 Cartography

What term collectively describes the four primary directions, North, South, East, and West?

Cardinal directions OR Cardinal points

### 44 Historical Harangues

What US President spoke the following famous words on January 20, 1961: "Ask not what your country can do for you; ask what you can do for your country"?

[John F.] Kennedy OR JFK

### 49 Volcanic Hot Spots

The "ring of fire" is a common term used to describe the numerous volcanoes located around the edges of what body of water?

Pacific [Ocean]

### 45 Other Political Posts

Before he shot Alexander Hamilton during his tenure as Vice President, Aaron Burr was a Senator representing which state?

New York

### 50 Another -ism?

What belief system rejects all religious and moral principles because it asserts that life is meaningless?

Nihilism [REJECT Existentialism]

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### 51 Big Tech Environmental Innovations

In 2020, which big tech company announced that it plans to reduce its carbon footprint to net zero by 2040 and has launched the use of electric delivery vehicles to begin this process?

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Amazon

### 56 The King of Pop

According to Forbes' list, who has been the world's highest earning dead celebrity every year since 2013?

---

Michael Jackson

### 52 Colossal Disasters

What natural disaster brought about the end of the Colossus of Rhodes?

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Earthquake

### 57 Geographical Boundaries

What is another term for a geographical boundary, such as for a state or country?

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Border

### 53 Famous Lines

Which character, created by Charles Dickens, famously requests, "Please, sir, I want some more?"

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Oliver [Twist]

### 58 Famous People

Who became the "mother of the modern day civil rights movement" when she was arrested for refusing to give up her seat on the bus in Montgomery, Alabama on December 1, 1955?

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[Rosa] Parks

### 54 [P&P] Fractional Differences

In lowest terms, what is the difference between 8 and one fourth and 3 and one sixth?

---

5 and one twelfth

### 59 Tragic Daughters

In which Shakespearean tragedy is Cordelia cast out by her father for not praising him enough?

---

King Lear

### 55 Chemistry Measurements

The value 0.003050 m contains how many significant figures?

---

Four

### 60 Ocean Zones

What is the term for the deepest ocean zone; for example, the deepest point on Earth, 7 miles beneath the surface near Guam?

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Hadalpelagic [zone] [REJECT Abyssopelagic]

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### 61 Holy Art Thou

In what country does the Pope reside?

Vatican City [REJECT Italy OR Rome]

### 62 Voting Systems

What state has the largest number of electoral votes?

California

### 63 Light as a Feather

According to Egyptian mythology, what body part would be weighed against a feather by Osiris in order to determine if the bearer of that body part was pure enough to move among the gods?

Heart

### 64 Irregular Verbs

What is the present third person plural form of the French verb "aller" [ahl-LAY]?

vont (pronounced VOHN)

### 65 Famous People

Burned at the stake at nineteen years of age, what French heroine in the Hundred Years War was later canonized as a Roman Catholic Saint?

Joan of Arc

### 66 Rolling the Dice

If you throw two unweighted six-sided dice, each of which is numbered 1 to 6, what is the probability that the sum of the dice is less than five?

1/6

### 67 Autobiographical Fiction

Who used experiences from his own life when he was writing his book, *Where the Red Fern Grows*?

[Wilson] Rawls

### 68 [P&P] Conversions

How many micrometers are in a meter?

1,000,000

### 69 Solar Science

When our local star converts two atoms of hydrogen into one atom of helium, thereby releasing a huge amount of energy, this is known as what kind of nuclear reaction?

Fusion [REJECT Fission]

### 70 Tragedies

Which character in the tragedy *Romeo and Juliet* was the first to die?

Mercutio

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### 71 Change About Change

What 19th century women's rights advocate and abolitionist was featured on an American one-dollar coin minted between 1979 and 1981?

[Susan B.] Anthony

### 72 Solutions

When ethanol dissolves with water, the ethanol molecules do not break apart into positive and negative ions and thus, will not conduct an electric current. What label describes a solution that does not conduct an electric current?

Nonelectrolyte

### 73 The World Is Watching

Park City is known for holding the famous Sundance Film Festival every year. This event draws the attention of people around the world, including one famous street artist who left his mark tucked away on the main street of this Utah city. In 2010 what artist left two paintings on some unexpected buildings?

Banksy

### 74 Shiny Buildings

In which palace is the Hall of Mirrors located?

Versailles

### 75 Sports Games

In Ancient Greece, the Olympic games were held to honor which god?

Zeus [REJECT Jupiter]

### 76 Changing the Future

In Ray Bradbury's "A Sound of Thunder," what does Eckels inadvertently step on while visiting the past, causing a catastrophic shift in future events?

A butterfly

### 77 Puzzling Plurals

While one will hear both octopi and octopuses used to pluralize the noun octopus, technically, the latter is correct because the word octopus has origins in what language?

Greek

### 78 Movement

The elbow is a hinge joint. What type of joint is the hip?

Ball and Socket OR Spheroid

### 79 [P&P] Pastoral Perimeters

A rectangular pasture is 300 yards long and 400 yards wide. How many yards of fencing would be needed to entirely enclose the pasture?

1,400 [yards]

### 80 Islands

The Kuril Islands, south of the Kamchatka Peninsula, are subject to a sovereignty dispute between Russia and what other country?

Japan

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### 81 Long Journeys

If you were to travel from South America to North America by land, the first country you would enter would be which Latin American country, famous for its canal?

Panama

### 82 Enduring Freedoms

The first amendment to the U.S. Constitution protects the rights of free speech, assembly, petitioning the government, and what other human right?

[Practice of] religion OR Religious freedom

### 83 Rock Classification

Igneous rocks may be classified most simply by their mineral abundance, color, and what other property?

Texture OR Grain size

### 84 Household Chemistry

If vinegar has a pH less than 7.0, you know that vinegar is what kind of chemical solution?

Acid[ic]

### 85 Wild Stories for Children

*Where the Wild Things Are*, a classic 1963 children's book, was written and illustrated by whom?

[Maurice] Sendak

### 86 Economic Slowdowns

What economic indicator topped 14 percent in April 2020 as a result of the COVID-19 pandemic?

[The] Unemployment [Rate]

### 87 Color Schemes

"Red on black, friend of jack. Red on yellow, kill a fellow" is a mnemonic device for distinguishing between venomous and non venomous snakes. This describes what evolutionary phenomenon where two different species have similar appearances?

Mimicry

### 88 [P&P] Area

What is the area of a right triangle with a base measuring 6 feet and a height measuring 8 feet?

24 [square feet]

### 89 Digital Design

What 3D modeling program was originally developed by Google for general consumer use?

Sketchup

### 90 Flowers in Verse

What flower is central to the William Wordsworth poem, "I Wandered Lonely as a Cloud"?

Daffodils

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## 91 Star-Crossed Lovers

Who performs the marriage of Romeo and Juliet?

Friar Lawrence

## 92 Recent Wars

The battle of Aleppo, which took place between 2012 and 2016, was a major conflict in what country's civil war?

Syria

## 93 Allusions

In *The Outsiders*, Johnny's advice to "Stay gold, Ponyboy" is an allusion to a poem by which American poet?

[Robert] Frost

## 94 Mapping

Lines on topographic maps that connect places of equal elevation are referred to as what type of lines?

Contour [Lines]

## 95 Good Manners

If someone approaches you in Mexico and says "disculpe" [dis-COOL-pay], what is the English translation?

Excuse me

## 96 [P&P] Varying Volumes

Place these units of measurement of volume in order from smallest to largest: gallon, gill, quart, pint.

(in order) gill, pint, quart, gallon

## 97 [P&P] Algebraic Equations

What value of  $x$  satisfies the equation  $4x$  plus 4 equals 16?

3

## 98 Chicken Talk

About a dozen eggs in a chicken's nest is called a ...

clutch

## 99 Historic Land Transfers

What US law, passed in 1862, allowed any adult to gain ownership of 160 acres of public land by farming it for 5 years and paying a small filing fee.

The Homestead Act

## 100 A Universal Mystery

Astronomers believe that a majority of the mass of the universe consists of what matter?

Dark [Matter] [REJECT Dark energy]

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### 101 Logical Fallacies

The person committing this logical fallacy attacks a position their opponent doesn't actually hold instead of dealing directly with the real argument at hand. Name the fallacy.

The Straw Man [Fallacy or Argument]

### 102 Math Terms

The "golden ratio" is a math term meaning the ratio of two line segments where a longer segment compared to a shorter segment has the same ratio as the total length compared to the long segment, and is equal to what number, rounded to the nearest tenth?

1.6

### 103 Make It Fast

Who was the Roman god most closely equivalent to the Greek god Hermes [HER-meas]?

Mercury

### 104 Unusual American Festivals

Every year, hundreds flock to Delaware in order to see who can "chunk" what festive gourd the furthest?

Pumpkins

### 105 African Histotry

What was the name for the system of racial segregation practiced by the country of South Africa from post-World War II until the early 1990s?

Apartheid

### 106 Stellar Astronomy

An H-R diagram is used to determine where a star is in terms of its life cycle. Stars are plotted on this diagram by luminosity and what other stellar property?

[Absolute] Surface Temperature OR Spectral Class

### 107 Periodic Table

What group of elements on the periodic table have electron configurations that end with s2 and thus contain only 2 electrons in their valence level?

Alkaline Earth Metals

### 108 Television Titles

Name the television game show that, when it started, was only weekly and was hosted by Art Fleming with no need to phrase your answer in the form of a question.

Jeopardy!

### 109 American Short Stories

Which story by Mark Twain features an exceptional frog named Dan'l Webster and a bet for \$40?

"[The] Celebrated Jumping Frog of Calaveras County"

### 110 New National Parks

In 2019, Indiana Dunes became Indiana's first National Park. The Indiana Dunes are located along the shores of what lake?

[Lake] Michigan

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## 111 One and Only Presidents

What 15th president of the United States remains, as of 2021, the only president elected from Pennsylvania, and the only unmarried President?

[James] Buchanan

## 112 Chemistry Units

What is the SI unit for mass?

Kilogram

## 113 Bright Lights

After our sun, what is the brightest star visible from earth?

Sirius [A] OR The Dog Star

## 114 Making Connections

The following words are all examples of what type of conjunction?

Although, When, Unless, Because, Since

Subordinating [Conjunctions] OR Dependent  
Clause Markers

## 115 \$102 Million

When considering endorsements, commissions, winnings, and salary from June 2019 to June 2020, who was the highest earning athlete on the *Forbes Magazine* 2020 list?

[Roger] Federer

## 116 Angles

What is the name for an angle that measures less than 90 degrees?

Acute

## 117 Roman Gods

Which Roman figure was the god of doors and arches and was depicted on coins as facing two ways?

Janus

## 118 Volcanoes

In 1883, what volcano, in what is now Indonesia, erupted with an explosion so loud it was heard nearly 2000 miles away?

Krakatoa

## 119 Literary Phobias

What type of creature is Winston Smith tortured with in the novel 1984?

Rats

## 120 [P&P] Dice

In order to win a game, Davis has to roll 4 dice and get a five or a six on each one, express as a fraction in lowest terms the probability that this happens.

1/81

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## 121 Literary Families

What is the surname of John, Michael, and Wendy in J.M. Barrie's play *Peter Pan, or the Boy Who Wouldn't Grow Up*?

---

Darling

## 122 [P&P] Painting Problems

You've been hired to paint the center stripes on a road and are doing a section of dashes. You paint for one second, leave a space for three seconds, then repeat three additional times. How long will that take?

---

16 seconds

## 123 Classic Poem Structures

"The Rime of the Ancient Mariner" by Samuel Taylor Coleridge and "Gunga Din" by Rudyard Kipling are both examples of what classic form of poetry?

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Ballad OR Narrative

## 124 Trapped Air

What do you call the atmospheric condition where cooler air gets trapped underneath a layer of warmer air?

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[Thermal Air] Inversion

## 125 Supreme Court Justices

Notoriously silent, as of 2020 which Supreme Court justice holds the modern record for silence on the bench at ten years?

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[Clarence] Thomas

## 126 Numeric Celebrations

What is the name of the holiday which commemorates the victory of an outnumbered and poorly supplied Mexican army against the French army in the Battle of Puebla in 1862?

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Cinco de Mayo OR Battle of Puebla Day [REJECT May 5th]

## 127 Falls

Between Lakes Erie and Ontario, water plunges over what famous falls?

---

Niagara Falls

## 128 Into the Caves

The Lascaux [lass-KO] cave paintings are found in what country?

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France

## 129 Pregnancy Warning

If alcohol is regularly consumed during pregnancy, a small head, defective limb joints, cleft palate, and heart abnormalities in the baby may result. What is this syndrome called?

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Fetal Alcohol [Syndrome]

## 130 Definitions

What is the term for the measurement of the outside of a circle?

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Circumference

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### 131 Photosynthesis

Higher plants, eukaryotic [you-carry-OTT-ik] algae, and the cyanobacteria [sy-AN-oh-bacteria] all share what common pigment necessary for photosynthesis?

Chlorophyll [a]

### 132 Quadratic Discrimination

Consider the quadratic formula as it is traditionally written, in terms of a, b and c. Given that the discriminant is the portion of the formula that is under the square root, recite the discriminant?

 $b^2 - 4ac$ 

### 133 Right versus Wrong

Dating back to the Greek philosophers, what philosophical term describes the "science of morality"?

Ethics

### 134 Chemical Bonds

What kind of bonds form between two non-metal atoms with relatively close or identical electronegativity values?

Covalent

### 135 American Psychologists

Which American psychologist, who invented a namesake conditioning chamber (and whose name is shared by a Simpsons character), theorized that behavior is strengthened or weakened by its consequences?

[B.F.] Skinner OR [Burrhus Frederic] Skinner

### 136 Islands

Robben Island is a famous former penal colony that was used to house enemies of apartheid, just off the shore of what South African city?

Cape Town

### 137 Famous people

The famous "March to the Sea" was led by which Union General?

[William Tecumseh] Sherman

### 138 [P&P] Geometric Countdowns

What is the next number in this sequence? 256, 64, 16, 4

1

### 139 Young Adult Literature

What novel by Angie Thomas features Starr Carter, a sixteen year old who witnesses the shooting of her best friend Khalil at the hands of a police officer?

The Hate U Give

### 140 Pope's Poetry

"Hope springs eternal in the human breast;  
Man never Is, but always To be blest."

These complete lines, taken together, are an example of what type of poetic couplet?

Heroic [REJECT Rhyming]

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## 141 [P&P] Coefficients

In the equation  $5x+2y+7z=23$ , what is the coefficient of  $z$ ?

7 [REJECT 5 OR 2]

## 146 Niche Museums

The corvette museum is located in what state?

Kentucky

## 142 Illuminating Acronyms

What is the word represented by R in the word LASER?

Radiation

## 147 Constitution

The Bill of Rights contains how many amendments?

10

## 143 Institutions of the Past

In the United States, what was known as "the peculiar institution"?

Slavery

## 148 Classical Composers

Which prolific Austrian composer wrote over 100 symphonies, including No. 94 which is nicknamed *The Surprise Symphony*?

[Joseph] Haydn

## 144 Swedish Science

Swedish scientist, Svante Arrhenius postulated in the late 20th century that conductivity in solutions was caused by the presence of what type of particle in solution?

Ions

## 149 Middle East Metropolises

What is the capital city of Lebanon?

Beirut

## 145 French Expressions

What common French phrase means "This is life?"

C'est la vie (say-la-VEE)

## 150 Famous Sires

In the Arthurian legend, which Knight of the Round Table was the illegitimate son of Sir Lancelot?

[Sir] Galahad

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### 151 Places

Valdez, Alaska, is the southern terminus of what piece of oil infrastructure?

Trans-Alaska Pipeline [System]

### 152 Roman Republicans

George Washington was a great admirer of Cato the Younger, a Roman statesman and orator who opposed the tyranny of what Roman dictator?

Julius Caesar (PROMPT on Caesar alone)

### 153 World Cup - Soccer

Which country's team won the 2018 FIFA World Cup?

France OR France national football team

### 154 [P&P] Distance

Mary and Sophia leave their school at the same time. Mary bikes due west for 3 miles while Sophia bikes due south for 4 miles. When both of them have reached their destination, how many miles apart are they?

5 [miles]

### 155 Luke's Lessons

What is the most common name for the New Testament parable that has one son saying, "I will arise and go to my father," after he blows his inheritance on profligate living?

[Parable of the] Prodigal Son

### 156 Growing Things

What is the practice of growing a series of different types of crops in the same area across a sequence of growing seasons?

Crop Rotation

### 157 Flip a Switch

What negatively charged subatomic particles power every electrical device in the world?

Electron(s)

### 158 You're Fired

What is the department typically called that is responsible for hiring and firing decisions in corporate settings?

Human Resources OR HR

### 159 Famous Smiles

Who created the painting which hangs in the Louvre (loov) and depicts a woman affectionately referred to as the *Mona Lisa*?

[Leonardo] DaVinci

### 160 Documents

Which is the only Constitutional Amendment to be repealed?

The 18th [Amendment]

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## 161 Trains

The Ghan [GAN] is a train that travels from Adelaide to Darwin in what country?

Australia

## 162 Quotable Quotes

Patrick Henry, during the Second Virginia Convention on March 23, 1775, said "Give me liberty, or..." what?

Give me death (must have all)

## 163 Famous people

What famous female American activist and abolitionist is credited with rescuing approximately 70 people via the underground railroad and served as a scout and spy for the union army?

[Harriet] Tubman

## 164 First Martians

Name either of the NASA rovers that landed on Mars in 2004.

Opportunity OR Spirit [REJECT Curiosity OR Mars Science Lab]

## 165 Alliterative Grammar

Identify the type of sentence illustrated in the following example:

Lorena and Lyndsay love lions and lollipops.

Simple [Sentence]

## 166 Historical Chemistry

What early precursor of chemistry involved searching for a "philosopher's stone," which was a substance believed to be able to turn base metals into gold?

Alchemy

## 167 [P&P] Octagons

Consider a eight-sided regular polygon. If you draw interior diagonal lines from each vertex to each other vertex, how many lines do you draw?

20

## 168 Hungry Sea Monsters

What is the name of great sea monster in *The Odyssey* who lived under a rock on one side of a narrow channel? Three times a day, this monster would swallow huge amounts of water and belch it out again, creating ship eating whirlpools.

Charybdis

## 169 [P&P] Equations

Solve for y in terms of x:  $10x + 5y = 25$

$[y =] 5 - 2x$  OR  $[y =] -2x + 5$

## 170 Food Labels

What common measure of energy is used when we say an egg has 78, a peach has 59, and a typical can of sugared soda has 150?

[Kilo]calories

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## 171 [P&P] Heteronyms

Spell the heteronym that means both a farm machine that harvests and threshes and to bring two or more things together; to mix.

C-O-M-B-I-N-E

## 172 [P&P] Miner Math

How many pounds are there in 16 US tons of coal?

32,000 [pounds]

## 173 Governed by Children

In what novel by William Golding do a group of school boys become stranded on an island devoid of adults?

*Lord of the Flies*

## 174 Old Kingdoms

What civilization, starting around 3000 BCE, is known for its river, its hieroglyphs, its pharaohs, and its pyramids?

[Ancient] Egypt[ians]

## 175 Pioneering Science

What Russian scientist is given credit for developing an orderly arrangement of known elements by their properties in the 19th century?

[Dimitri] Mendeleev

## 176 Leaping Lemurs

All lemurs are native to what island?

Madagascar

## 177 Save the Date

What astronomical body last seen in 1986 should we expect to see in the sky on July 28, 2061, as it passes the Earth on its orbit of the Sun?

Halley's comet OR 1P/Halley

## 178 Magical Opposites

What is the name of the musical that tells the story of a minor character in the Frank Baum's *Wonderful Wizard of Oz*?

*Wicked*

## 179 Assets

Assets that will be converted to cash within one year are known as

Current [Assets]

## 180 Royal English Monikers

Richard I of England became known by what ferocious nickname?

The Lionheart OR Coeur-de-Lion

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### 181 Burial Sites

During which Kingdom of Egypt were the three largest pyramids in the Valley of the Kings built?

Old [Kingdom]

### 182 Historical Poetry

In his poem "O Captain! My Captain!" who is Walt Whitman's "captain"?

[President Abraham] Lincoln

### 183 Water Works

As water cycles through the environment, it precipitates from the air to the surface, evaporates from earth into the air, and does what to become clouds?

Condenses OR Condensation

### 184 A Satellite's Path

What scientific term describes the position in an elliptical orbit where a satellite would possess the greatest amount of potential energy and the lowest amount of kinetic energy?

apogee OR apoapsis

### 185 Four Paintings -- Same Scene

This painting shows a man standing on a bridge with silhouettes of dark figures behind him. He appears to be screaming at whatever stands before him. Name the painting.

The Scream [of Nature] OR The Shriek OR The Cry OR Der Schrei der Natur

### 186 Freud

The id, ego, and what other level of the self were identified by Sigmund Freud?

Superego

### 187 Dystopian Novels

Who created the character of Jonas in her novel *The Giver* in 1993?

[Lois] Lowry

### 188 [P&P] Algebra

What value of  $x$  satisfies the equation  $18 \text{ equals } 3x \text{ plus } 6$ .

4

### 189 German Families

At a German family reunion, you are introduced to a new Tante [tantə]. Who is this person in relation to you?

Aunt

### 190 My Kingdom (and a Horse)

Animals that have hair or fur, are warm-blooded, give birth to live young, and produce milk for those young are known as what?

Mammal[s]

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### 191 Vaping Crisis

Following an outbreak of vaping-related deaths and severe lung illness, what e-cigarette company was the target of a multi-state lawsuit for marketing practices that targeted teens?

Juul

### 196 [P&P] Paint

Dan and Peter are trying to paint a wall. It takes Dan 4 hours to paint the wall alone, but together they could paint the wall in 3 hours. How long would it take Peter to paint the wall on his own.

12 hours

### 192 When You Snooze, You Don't Lose

One stage of human sleep is called "REM," for Rapid what?

Eye Movement

### 197 Sports Geography

The Toyo Carp are the Nippon Professional Baseball League team from what famously bombed Japanese city?

Hiroshima

### 193 Sentence Types

Identify the type of sentence illustrated by the following aphorism:

When the going gets tough, the tough get going.

Complex [sentence] [REJECT Compound-Complex]

### 198 Juvenile Delinquents

Camp Green Lake is a correctional facility for bad boys in what novel by Louis Sachar?

Holes

### 194 Astrological Animals

Which of the 12 astrological signs of the Zodiac is a bull?

Taurus

### 199 Greats

The vast conquests of which king of Macedonia and Persia ushered in the time period known as the Hellenistic period?

Alexander the Great OR Alexander III of Macedon

### 195 Solar Astronomy

What solar feature is now known to manifest itself on the Sun's surface in 11-year cycles?

Sunspots

### 200 Piercing Sounds

A high pitched sound suddenly rings out and hurts your ears. What unit would you use to represent the frequency, or number of cycles completed per second, of the sound?

Hertz

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### 201 [P&P] Tent Math

Melissa bought a tent for her camping trip this weekend. The shape of the tent is triangular prism. If the height of the tent is 6 feet at the tallest point, the front base of the tent is 5 feet across and the tent is 7 feet long, what is the volume of Melissa's new tent, in cubic feet?

105 [cubic feet]

### 202 Common Phrases

The phrase "tilting at windmills" comes from what Spanish novel written by Miguel Cervantes?

*Don Quixote*

### 203 Arboreal Geography

Giant Sequoias, the largest trees on Earth, grow only on the slopes of what North American mountain range?

Sierra Nevada

### 204 Medical Terms

Named from the Latin term for where it is located, in what part of the body can one find dentin?

Teeth

### 205 Pass the Salt

Common table salt is composed of equal parts of chloride and what other chemical element?

Sodium

### 206 Through Heaven and Hell

What is the collective name for the trilogy created by Dante Alighieri [DAHN-te ah-lee-GARE-ee], containing the books *Paradisio*, *Purgatorio*, and *Inferno*?

*The Divine Comedy*

### 207 In Every Household

Name one of the founders of Google.

[Larry] Page OR [Sergey] Brin [REJECT Bill Gates  
OR Jeff Bezos]

### 208 Aggressive Leaders

Elected in 2016, this president quickly declared a war on drugs. Name this 16th president of the Philippines.

[Rodrigo] Duterte

### 209 Mission Accomplished

In 1969, astronauts Neil Armstrong, "Buzz" Aldrin, and Michael Collins flew to the moon on which Apollo mission?

[Apollo] 11

### 210 Starry Starry Night

Van Gogh had not one but two Starry Nights. In 1889, he created the more well known painting of *Starry Night*, but in 1888 he painted his first *Starry Night* known as *Starry Night Over* what river?

The Rhone

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## 211 Year Fear

What was the three-letter alphanumeric designation of the 1999 apocalyptic fear that the worldwide computer network was unequipped to operate in the year 2000?

Y2K

## 212 Famous First Lines

What American poem famously begins with the following two lines:

"Once upon a midnight dreary, while I pondered,  
weak and weary,  
Over many a quaint and curious volume of  
forgotten lore—"

"The Raven"

## 213 Large Loners

What Tibetan name, also shared by a popular brand of coolers, is used for the presumably mythical creature whose footprints can likely be explained by superimposition of bear forefoot and hindfoot prints in snow?

Yeti [REJECT Abominable Snowman]

## 214 Motion

The type of motion that repeats itself identically and repeatedly is known as what?

Periodic [motion] OR harmonic [motion] [REJECT  
Perpetual Motion]

## 215 Elizabethan Playwrights

Who penned the following works?

*Two Gentlemen of Verona*

*Julius Caesar*

*A Midsummer Night's Dream*

*The Tragedy of Romeo and Juliet*

[William] Shakespeare

## 216 It's all in the name

What island did Eric the Red name with an eye to encouraging settlement?

Greenland

## 217 National Park Geography

A bird flying directly from Olympic National Park to Voyageurs [vwah-yah-ZHURS] National Park is going in what cardinal direction?

East

## 218 Rising Up

The ability of a liquid to flow against gravity in a thin tube is known as what?

Capillary Action

## 219 Revolutions

In October 1917, the Bolshevik party staged a revolution in Russia that resulted in the founding of what Communist nation?

Soviet Union OR Union of Soviet Socialist  
Republics (USSR) [REJECT Russia]

## 220 Musical Instruments

The flute, violin, baritone, trombone, and oboe instruments play in what key?

C

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### 221 Instruments

A type of zither that allows a player to create chords by pressing a single button is known as what kind of harp?

Autoharp

### 222 Do Unto Others

Finish the following quotation from the Roman Catholic version of the Lord's Prayer: "Forgive us our trespasses as we forgive those who..." what?

Trespass against us

### 223 A Queen Without a Head

Which English queen is known as "the Nine Days' Queen"?

Lady Jane Grey OR Lady Jane Dudley

### 224 [P&P] Direct Relationships

$x$  equals two thirds  $y$ .  $y$  equals 18. What does  $x$  equal?

12

### 225 Graphs

What term is used to describe a data point that is distinctly separate from the rest of the data?

Outlier

### 226 Lengthy Reads

The orphan Pip and Miss Havisham are featured in which novel by Charles Dickens?

Great Expectations

### 227 Weather

From approximately June through September, what weather phenomenon brings massive amounts of rain to the Indian Subcontinent?

Monsoon

### 228 Modern Dinosaurs?

What class of warm-blooded vertebrates are more closely related to reptiles than mammals, but distinguished from all of us by having feathers?

Birds OR Aves

### 229 Flights

The Island Hopper is a scheduled airline flight that begins in Guam, stops in Micronesia and the Marshall Islands, and ends in what US state capital?

Honolulu

### 230 American History

What 20th century legal effort became known to its supporters as "The Noble Experiment"?

Prohibition [of Alcohol] OR 18th Amendment

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## 231 [P&P] Math Fun

Complete the following palindrome: Never odd or...

even

## 232 [P&P] Chemistry Units

Using the appropriate number of significant figures, calculate in grams the mass of a block of aluminum that occupies a volume of 20.0 milliliters and has a density of 2.70 grams per milliliter.

54.0 [grams] [REJECT 54 grams]

## 233 Heads of State

Ascending to the Chrysanthemum Throne on May 1, 2019, Naruhito became Emperor of what Asian state?

Japan

## 234 Famous Englishmen

Name the captain of the Golden Hind, the first English ship to circumnavigate the globe.

[Sir Francis] Drake

## 235 Cell division

What process of cell division results in four haploid gametes that are genetically unique from each other?

Meiosis

## 236 Important Verbs

In Spanish, what verb do you traditionally use when you are telling someone how old you are?

Tener OR Tengo

## 237 Equations

What is the term for letters when they are used in algebraic expressions?

Variables

## 238 Welsh Story Tellers

This Welsh author was a spy, a fighter pilot, and a chocolate historian. Who wrote the following books?

*Boy*  
*The Witches*  
*James and the Giant Peach*  
*Matilda*

[Roald] Dahl

## 239 Christmas Music

What Russian composer wrote *The Nutcracker*?

[Pyotr] Tchaikovsky

## 240 US Rivers

The Mississippi and Ohio rivers converge at what Illinois city reminiscent of a city in Egypt?

Cairo [pronounced KAY-ro here]

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## 241 Political Arrangements

What is the term used to describe a legislature in which representation is divided into two houses or assemblies, such as the the British Parliament or the Congress of the United States?

Bicameral[ism]

## 242 Tiny But Terrible

Influenza, COVID-19, polio, and chickenpox are examples of diseases caused by what type of tiny infectious organisms?

Virus[es]

## 243 Ancient Inequalities

The helots were a subjugated population in what ancient city?

Sparta

## 244 Aerospace Companies

What company headquartered in Chicago is the United States' largest manufacturer of aircraft?

Boeing

## 245 Weather

The storm known as a "hurricane" in the northern Atlantic Ocean takes what name in the western Pacific Ocean?

Typhoon

## 246 Chilly Characters

Name the antagonist in the novel *The Lion, the Witch, and the Wardrobe*.

Jadis OR The White Witch

## 247 Architectural Commonalities

What architectural style do the following New York buildings share: the Rockefeller Center, the Chrysler Building, the Empire State Building?

Art Deco OR Style Moderne

## 248 [P&P] Gambling Problems

If you throw two unweighted six-sided dice, each of which is numbered 1 to 6, what is the probability that you will roll "snake eyes?"

1/36

## 249 [P&P] Grammar Objects

How many objects of prepositions can be found in the following sentence from *The Cat in the Hat*?

I will hold you up high  
as I stand on a ball.  
with a book on one hand!  
and a cup on my hat!

Five (ball, book, hand, cup, hat)

## 250 [P&P] Babysitter Math

A babysitter earns \$8 an hour and an additional \$3 tip. How much does she earn for babysitting 4 hours?

\$35

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### 251 [P&P] Car Rental Math

A car rental agency charges a per-rental fee of \$100 in addition to a price of \$180 per day. If Heather rents a car for 10 days, how much will she pay?

---

\$1,900

### 252 Mixing Chemicals

When two different solutions are mixed and an insoluble product forms, what name is given to describe this insoluble product?

---

Precipitate

### 253 [P&P] Angles

What is the measurement of the third angle in a triangle with two other angles measuring 47 degrees and 57 degrees?

---

76 [degrees]

### 254 Literary Firsts

Edgar Allan Poe is often credited with inventing the detective story genre, attributed to what 1841 short story?

---

"[The] Murders in the Rue Morgue"

### 255 Mythic Transformations

In Homer's *The Odyssey*, who was the sorceress who turned Odysseus's men into pigs?

---

Circe

### 256 [P&P] Measuring in Chemistry

How many centimeters are in 795 micrometers?

---

.0795 [centimeters]

### 257 Holy of Holies

Varanasi [*vuh-RAH-nuh-see*] is a holy city in India and is located on what holy river?

---

[The] Ganges

### 258 What goes up, must come down

Transpiration, precipitation, and evaporation are all processes in what natural cycle?

---

Water [Cycle] OR Hydrologic[al Cycle]

### 259 Presidential Habits

Which President was known for his fireside chats?

---

FDR OR Franklin Delano Roosevelt (PROMPT on Roosevelt)

### 260 Military Units

In modern usage, it refers to a person or persons who serve the role of last-minute savior or back-up. Historically, it referred to soldiers mounted on horseback. What is this term, derived from the French word for horse?

---

Cavalry

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### 261 Modern Security

Sometimes, in the process of logging in to online accounts, especially if you've already mistyped your password once, users will encounter what type of program or test typically used to determine whether the input is from a human or a machine?

Captcha (CAP-shuh) OR Turing [Test] OR  
Completely Automated Public Turing Test to Tell  
Computers and Humans Apart

### 262 Land Formations

Mauna Loa, Mt. Fuji, Mt. Etna, and Krakatoa are all what type of mountain?

Volcano

### 263 Lines that Last

"All animals are equal, but some animals are more equal than others." This famous line was penned by what writer?

[George] Orwell

### 264 Sacred Spaces

Finished in 692 CE, what Islamic building, located in Temple Mount in the Old City of Jerusalem, is considered one of the oldest examples of Islamic architecture?

Dome of the Rock OR Qubbat al-Sakhra [Kabat el a sakra]

### 265 Borrowed Words

What French word, originally meaning "stoker" or "steam-builder," has made its way into English to indicate someone who is hired to drive a vehicle for another?

Chauffeur

### 266 Kavanaugh Hearings

What is the name of the woman who testified against Brett Kavanaugh following his nomination to the Supreme Court, stating that he sexually assaulted her when they were in high school?

[Christine Blasey] Ford

### 267 Astronomy

The increase in wavelength observed as an astronomical object moves away from an observer is a phenomenon that results from what effect named for an Austrian physicist?

Doppler [Effect]

### 268 Planar Shapes

What is the name for a polygon with twelve angles and twelve sides?

Dodecagon

### 269 The Spirit World

Which ghost visits Scrooge last in *A Christmas Carol* by Charles Dickens?

[Ghost of] Christmas Yet to Come (or similar)

### 270 More than One David

Which 15th century sculptor created the image of David depicting him as a young, almost effeminate shepherd with his foot on the head of Goliath after having won the battle?

Donatello OR Donato di Niccolò di Betto Bardi

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### 271 Countries

What small European country is the most densely populated sovereign country in the world?

Monaco [REJECT Macau (not sovereign)]

### 272 Deadly Obsessions

In "The Rocking Horse Winner" by D. H. Lawrence, the young boy Paul rocks on his rocking horse incessantly in an attempt to become what?

Lucky (OR equivalent)

### 273 [P&P] Probabilities

What is the fractional probability of pulling out a red marble from a basket containing 7 red and 15 blue marbles?

7/22 [REJECT 7 to 15]

### 274 Carbon Conscious

If you were given a choice between traveling on an airplane, in a fossil fuel powered car, or on a train, which would be the most conscientious choice in terms of carbon emission?

Train

### 275 Distinctive Garb

Which Greek god was generally depicted wearing winged sandals and a traveler's hat and carrying a herald's staff adorned with two intertwined snakes?

Hermes [REJECT Mercury]

### 276 War and Warriors

What Civil War general is known for his scorched earth tactics and the "March to the Sea"?

[William T.] Sherman

### 277 Better Than Good

What vaguely superlative title usually follows historical royal figures such as Alexander, Charles, Constantine, Peter, and Ivan?

"The Great"

### 278 Spacey Spawn

Who is the son of General Leia Organa and Han Solo?

Kylo Ren

### 279 *Paradise Lost*

In *Paradise Lost*, John Milton wrote: "Earth felt the wound; and Nature from her seat, Sighing, through all her works, gave signs of woe." These lines illustrate what literary device?

Personification

### 280 Topographic Vocabulary

What is the mountain formation called which naturally forms a boundary or ridge separating a continent's river systems?

Continental Divide OR Continental Drainage Divide

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### 281 TikTok

TikTok, a popular video-sharing service, has become one of the most popular apps among today's youth. This social networking platform was developed in what country?

China

### 282 Special Months

Like Black History Month in February, in 2011 the month of March was officially selected to honor the history of what group?

Women OR Women's History Month

### 283 Fictional Settings

What country is the setting for Suzanne Collins' series *The Hunger Games*?

Panem

### 284 [P&P] Area

What is the area of a square with sides measuring the number of feet in a baker's dozen?

169 [square feet]

### 285 Tyrrhenian Travel

If one sails due west from Rome across the Tyrrhenian Sea, one encounters Corsica; if one sails due south, one encounters the western coast of what island?

Sicily

### 286 Unusual Competitions

This competition arts event has been strongly influenced by hip hop music. Poets perform spoken word poems to a panel of judges. The first one on record occurred in Chicago in 1984, and they have become more popular recently. Name this type of competition.

Poetry Slam

### 287 Natural Farming and Recycling

Organic matter that has been decomposed and recycled as a fertilizer and soil amendment is called what?

Compost OR Composting

### 288 Translating Mozart

The title of the 1787 composition by Mozart, "Eine Kleine Nachtmusik" is most often translated into English as what?

A Little Night Music

### 289 Bigger than a Planet

Which Jovian moon is known as the largest in the solar system?

Ganymede

### 290 Pen Pals

Alexander Hamilton and James Madison were two of the writers of the Federalist papers. Who was the third?

[John] Jay

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### 291 Mythological Trios

The Greek deities Tisiphone, Megaera, and Alecto represent vengeance, jealousy, and anger and are collectively known as what?

The Furies OR The Erinyes

### 292 [P&P] Equations

Solve for X in the following equation:  $x^2 = 81$

9 OR -9

### 293 Mathematical Songs

Sometimes putting challenging ideas to a tune helps facilitate memorization. One such case uses the tune of "Pop! Goes the Weasel," but instead of singing the title line at the end, one sings, "All over 2a." What common formula is this song helping students remember?

Quadratic [Formula]

### 294 Ecology

Much of Southwest Arizona and Southeast California belong to which desert?

Sonoran [Desert]

### 295 US Cities

What West Coast port city is home to the only Major League Baseball team that has never played in a World Series?

Seattle

### 296 South America

Who was the wife of Juan Peron, the leader of Argentina who was deposed in 1974 in a military coup?

Eva Peron OR Evita

### 297 Ancient Idioms

What idiom, used to describe a dilemma with no good choices, traces its origins back to the book in *The Odyssey* where Ulysses must pass between Charybdis and Scylla?

Between a rock and a hard place

### 298 Big Numbers

In 2019, it reached 23 trillion dollars and interest payments topped 404 billion. What is the term for the sum of all monies owed by the US federal government?

[Federal/National/Public] Debt

### 299 Down to Basics

When considering the base units in the International System of Units, what is the only base unit to utilize a metric prefix?

Kilogram

### 300 Counting Teeth

How many teeth do people who have ALL their adult teeth have?

32

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### 301 Animal Vocabulary

The adjective "bovine" [boh-vine] means pertaining to or resembling what animal?

Cow OR Bull OR Cattle

### 302 The Zodiac

Which of the astrological signs of the Zodiac is commonly portrayed as a centaur with a bow and arrow?

Sagittarius

### 303 [P&P] Cross Country Math

The 2020 Bugatti Divo averages 10 miles per gallon. If you drive this sports car from San Francisco to New York (3000 miles) and gas costs \$3.15 per gallon, to the nearest dollar, how much will you spend on gas?

\$945

### 304 A Journey of 44 Million Miles

What is the name of NASA's Mars-bound rover launched in 2020?

Perseverance

### 305 Buried Alive

In 79CE which city was buried by mount Vesuvius after an unexpected explosion?

Pompeii

### 306 Drawing Circles

What line of latitude is defined by the following: the northernmost point at which the center of the noon sun is visible on the December solstice, and below which is the Northern Temperate Zone?

Arctic [Circle] [REJECT Antarctic]

### 307 Long Winded Conflict

What series of conflicts over control of the English Throne gained its name from the heraldic badges of the two rivals represented by a white flower and a red flower?

The War of the Roses

### 308 American Literature

In the novel *Little Women*, which sister is the tomboy who writes a novel?

Jo

### 309 Wicked Inspiration

Which Shakespeare play has the line that inspired Ray Bradbury to title his dark fantasy novel, *Something Wicked This Way Comes*?

[The Tragedy of] Macbeth

### 310 Folk Music

According to Peter, Paul and Mary, who lived by the sea and frolicked in the autumn mist in a land called Honahlee?

Puff [the Magic Dragon]

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### 311 Minerals

What precious metal was discovered in California's American River by James W. Marshall on January 24, 1848?

Gold

### 312 Life Altering Literature

This famous character is confronted with "phonies" and "morons" everywhere he turns after failing his classes at Pency Prep. Name this character created by J.D. Salinger.

Holden [Caulfield]

### 313 Resting Places

What famous building contains the graves of King Henry V, Isaac Newton, Geoffrey Chaucer, and Charles Darwin?

Westminster Abbey

### 314 \$37 Million

When considering endorsements, commissions, winnings, and salary from June 2019 to June 2020, who was the highest earning FEMALE athlete on the *Forbes Magazine* 2020 list?

[Naomi] Osaka

### 315 [P&P] Name Math

Antoinette takes one hundred times as long to write her name as it takes Mia. It takes Mia takes 4 seconds to write her name. In minutes and seconds, how long does it take Antionette to write her name?

6 minutes and 40 seconds

### 316 [P&P] Rotation Mechanics

Alfred and Viola are playing on a seesaw. Alfred weighs 400 N and is sitting 1.5 m from the center of the seesaw. If Viola's weight is 200 N, how far from the center should she sit in order to be balanced?

3.0 [meters] OR 3 [meters]

### 317 Planetary Astronomy

What do astronomers call planets that are orbiting other stars in the Milky Way galaxy?

Exoplanets OR Extrasolar [planets]

### 318 Gulfs

Mexico's Gulf of California separates what peninsula from the country's mainland?

Baja [California]

### 319 Literary Techniques

What literary technique is used in the following sentence?

Steven and I love to listen to the lark's lullaby on our morning walk.

Alliteration OR Consonance OR Assonance

### 320 Dictators

Who was the Spanish generalissimo [hen-air-all-EES-ee-moh] who brutally ruled Spain from 1939 until his death in 1975?

[Francisco] Franco

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### 321 Political Resumes

Before serving as Vice President under Barack Obama, Joseph Biden was a senator from what US state?

---

Delaware

### 322 [P&P] Declining Values

A company purchases a machine valued at \$140,000. The value depreciates at a constant rate and ten years later, the machine is valued at \$50,000. In dollars, what was the annual amount of depreciation?

---

\$9,000

### 323 Sticky Cell Sealants

What cellular component of human blood is responsible for plugging bleeding vessels and forming clots?

---

Platelet[s]

### 324 Game Changing Tech

As specifically as possible, what world-changing device was first released on June 29, 2007?

---

iPhone OR first-generation iPhone [REJECT  
Smartphone OR Cell or mobile phone]

### 325 Conjunctive Adverbs

What type of punctuation should have gone before the word "however" in the following sentence? (Read in the punctuation.) I want to see Paris however, I need to learn French first.

---

Semi-colon OR Period

### 326 Gases

What gas quantity is measured not only in units of Torr, but also Bars, millimeters of Mercury, Pounds per square inch, Pascals and Atmospheres?

---

[Gas] Pressure

### 327 Religious Beginnings

What country was the birthplace of Buddhism?

---

India

### 328 For The Good Of The People

What type of nonreligious business has been granted tax-exempt status by the Internal Revenue Service (IRS) because it furthers a social cause and provides a public benefit?

---

Non-profit [organizations]

### 329 Wanderlust

When William Wordsworth "wandered lonely as a cloud," what poetic device was he illustrating?

---

Simile

### 330 Laborious Indicators

Every month, the Bureau of Labor and Statistics collects information on the prices of more than 8000 goods to determine the Consumer Price Index, which is a measure of what important economic indicator?

---

Inflation

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### 331 Bond Types

When a metal element loses an electron and a non-metal accepts the electron, what kind of chemical bond is formed?

Ionic

### 336 [P&P] Volume

What is the volume of a cube with sides measuring 3 feet?

27 [cubic feet]

### 332 Beautiful Buildings

Which famous New York landmark in the Art Deco style was built in only one year and came in under budget because of the economic conditions of the Great Depression?

Empire State Building

### 337 African American Action

In Virginia in 1831, who led the most effective slave rebellion in US history?

[Nat] Turner

### 333 Mythological Namesakes

A notoriously vicious werewolf in the Harry Potter series by J.K. Rowling shares his first name with which Norse wolf, who was the son of Loki and ultimately the killer of Odin?

Fenrir

### 338 Fancy Duds

What kind of body armor developed in Europe in the late middle ages that almost entirely encases the wearer has since become an iconic feature of the "medieval knight"?

Plate [Armor]

### 334 Ideas on Paper

On the left side, you might find foods like ice cream and popsicles; on the right, you might find foods such as steak and soup. In the middle, you might find broccoli and turkey since people generally eat both of these as hot or cold foods. This separation of ideas likely occurs on what kind of organizational structure made up of overlapping circles?

Venn Diagram

### 339 It's a Rough Crowd

What order of insects contains wasps, bees, and ants?

Hymenoptera[ns]

### 335 Problematic Projections

What 16th century map projection system was very useful for sailing the seas, but grossly distorted the relative size of land masses, exaggerating Greenland's size by 550%?

Mercator [projection]

### 340 Orbits

What name is given to the path the sun, moon and planets follow in our sky?

Ecliptic

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### 341 Holy Scrolls

This book of texts contained spells to help the soul find a way through a treacherous and elaborate underworld. Rolls of papyrus with parts of this book written on it were buried with wealthy Egyptians as early as the 16th century BC. Name this book.

*Book of the Dead*

### 342 Distressing Perspectives

Written by John Boyne, this novel is told from the perspective of Bruno, a young boy whose father works at Auschwitz and who strikes up a friendship with one of the children confined there. Name this novel.

*The Boy in the Striped Pajamas*

### 343 Bottom of the Food Chain

What is the collective term for a diverse group of free-floating tiny organisms that serve as the food source for many small and large aquatic animals?

Plankton

### 344 Precious Finds

The discovery of what metal in the 1850's first brought white, non-native men rushing to settle in Colorado?

Gold

### 345 Sentence Types

What type of sentence is illustrated by the following example?  
I saw the writing on the wall but decided not to read it.

Simple [Sentence]

### 346 [P&P] Scientific Prefixes

Order the following prefixes from least to greatest: giga, nano, kilo.

nano, kilo, giga

### 347 Charged Atoms

An atom with a negative charge is called an anion [AN-eye-on], while an atom with a positive charge is called a ...

Cation

### 348 Irish Holidays

What was the original color associated with Saint Patrick's Day?

Blue [REJECT Green]

### 349 Slow Separations

Although the original referendum was held in June 2016, what change to the composition of the European Union did not actually occur until January 31, 2020?

Brexit OR UK/Britain leaving the EU or similar answer [REJECT ENGLAND leaving the EU]

### 350 Philosophical Geography

Sigmund Freud practiced as a doctor and explored his ideas of psychoanalysis in what European city?

Vienna

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### 351 Spanish Traditions

Held every August in Buñol, Spain, the festival of La Tomatina covers the town's square in the debris of tens of thousands of kilograms of what fruit?

---

Tomatoes

### 352 Football Strategy

When a football team fails to advance the ball 10 yards within 3 downs, what play is most often used on their fourth down to return the ball to their opponents?

---

Punt[ing] [REJECT Kick]

### 353 Open Up

On March 6, 1924, the Egyptian government opened the mummy case of what 14th century BCE pharaoh?

---

Tutankhamun OR Tutankhamen OR King Tut

### 354 [P&P] Lines

In point-slope form, find the equation for the line that runs parallel to the line  $y=35x+2$  and passes through the point, (14,7)

---

$y-7=35(x-14)$  [REJECT  $y=35x-483$ ]

### 355 Inspirational Rabbits

Who wrote the *The Tale of Benjamin Bunny* in an effort to increase appreciation for the natural world?

---

[Beatrix] Potter

### 356 Young Protagonists

Name the protagonist of the novel *Tuck Everlasting* who unwittingly stumbles across a member of the Tuck family drinking from a spring that makes him immortal.

---

Winnie [Foster] OR Winifred [Foster]

### 357 It just might save you...

Red next to black is a friend of jack; Red next to yellow could kill a fellow. This catchy saying regards what potentially venomous creatures?

---

Coral Snakes (PROMPT on Snakes)

### 358 Solids

What chemical term describes a substance made up of a mixture of elements that, as a whole, exhibit metallic properties?

---

Alloy

### 359 Un-American Acts

What legislative acts, passed during an undeclared war with France in 1798, empowered the U.S. President to imprison non-citizens he deemed dangerous and printers who were critical of his administration?

---

Alien and Sedition [Acts]

### 360 Medieval Makings

What medieval artifact do the following details describe? 231 feet long by 19.5 inches wide. Made of linen. Embroidered in eight colors. Depicts the Norman Conquest.

---

Bayeux Tapestry [prompt on either word alone]

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### 361 Financial Statements

A statement of financial position of a business at a particular date is known as a

Balance Sheet [REJECT Cash Flow Statement OR Income Statement]

### 362 Epic Literature

*The Illiad* by Homer tells the story of what war?

The Trojan War

### 363 Seeing Double

In embryology, what is the common term for monozygotic twins?

Identical [twins] [REJECT Fraternal]

### 364 It's Canada, Not CAN'T-ada!

Name the 11th century Viking explorer who is thought to be the first European to make landfall in Newfoundland [NOO-fn-lund].

[Leif] Ericson

### 365 Space Travel

This man's only spaceflight lasted 108 minutes and made a single orbit around Earth. Name this cosmonaut who rode on the Vostok I and was the first person ever to enter space.

[Yuri] Gagarin

### 366 Red Planet Air

Mars has a thin atmosphere which is predominantly made up of what gas?

Carbon Dioxide OR CO<sub>2</sub>

### 367 National Parks

Mount Whitney, the highest point in the 48 contiguous US states, sits only 85 miles west of Badwater Basin, the lowest point, which is located in what National Park?

Death Valley [National Park]

### 368 A Supermodel and a Linguist

Tyra Banks is credited with creating what one word contraction of the phrase "smiling with your eyes?"

Smize

### 369 [P&P] Measuring Milk

How many pints are in 10 gallons?

80 [pints]

### 370 What Is It Anyway?

What artist who died in 1956 is famous for his enormous "splatter" paintings?

[Jackson] Pollock

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### 371 Point A to Point B

Equipment such as the astrolabe, the quadrant, and the cross-staff were vital to what nautical function during the Age of Exploration?

---

Navigation OR Navigating

### 372 Chemical reactions

While frying an egg over a campfire is an endothermic reaction as the proteins denature and absorb energy, the burning of the wood gives off heat and is therefore what other kind of chemical reaction?

---

Exothermic

### 373 Precious Pumps

Each side of the human heart has two chambers - the smaller upper atria and the larger lower chambers called the what?

---

Ventricle[s]

### 374 French Vocab

How do you say "sunset" in French?

---

[Le] coucher du soleil [lay coo-shay du solay]

### 375 Literary Queens

Name the Queen of Fairies in *A Midsummer Night's Dream*.

---

Titania

### 376 [P&P] Congressional math

If a United States congressperson has served six terms in the House of Representative, and is half way through their third term in the Senate, how many years have they been in congress?

---

27 years

### 377 For A Little Contrast

The rise of photography sparked what famous painting style which focuses less on what we see and more on how the light plays off of what we see?

---

Impressionism

### 378 Earning Your Stripes

How many stripes are on the American flag?

---

13

### 379 Olympic Scandals

Following a massive doping scandal, athletes from what nation were not permitted to compete under their nation's flag in the 2018 Winter Olympics?

---

Russia OR Russian Federation

### 380 American Poets

What poet proclaims that he took the road "less traveled by, and that has made all the difference"?

---

[Robert] Frost

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### 381 Absolute values

What is the absolute value of 17?

17

### 386 German Pets

A German friend of yours declares that she is allergic to "Katzen" [kaht-sən]. What animal is she allergic to?

Cats

### 382 Reverse Psychology

In what novel by Mark Twain does the main character famously persuade other neighborhood children to give him their trinkets in order to have the "privilege" of painting his fence for him?

*The Adventures of Tom Sawyer*

### 387 Physics in Nature

Sitting in your beach chair at the edge of your favorite lake, you notice as the sun gets closer to the horizon that the light breeze coming off the water has been replaced by a slightly cooler breeze blowing offshore. This is an example of what type of heat transfer?

Convection

### 383 Secrets Are Best Kept Secret

Anna, a software consultant, signed an NDA that she wouldn't reveal any private company information she learned from her client while completing a project. What does NDA stand for?

Non-Disclosure Agreement

### 388 Oldies but Oddities

In South Africa, there is a 6000-year-old specimen of what large-trunked tree native to Africa, Madagascar and Australia?

Baobab OR Adansonia (genus)

### 384 Vaccine Funding

Which famous country singer donated one million dollars to COVID vaccine research in 2020?

[Dolly] Parton

### 389 I Declare!

What important historical document starts, after a brief preamble, with: "When in the course of human events, it becomes necessary for one people to dissolve the political bands which have connected them with another..."

Declaration of Independence

### 385 All About The Gold

What famous painter created the masterpiece *The Kiss*, representing the apex of his "Golden Period"?

[Gustav] Klimt

### 390 Fatal Factories

What kind of industrial disaster struck the Triangle Shirtwaist Factory in March 1911, killing 146 employees and leading to numerous reforms to improve working conditions across the country?

Fire

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### 391 The Foundations of Accounting

The basic accounting equation is assets equals the sum of what two categories?

Liabilities AND [Owner's] Equity

### 392 Neutrality

What are the neutrally charged atomic particles at the center of all atoms except hydrogen-1?

Neutron[s]

### 393 Holidays

On June 19, 1865, Union general Gordon Granger led troops to Galveston, Texas, to announce to the slaves that they were free. What is the name of the holiday that celebrates this occasion?

Juneteenth OR Freedom Day OR Jubilee Day OR Emancipation Day

### 394 Electromagnetic Spectrum

What wave quantity is determined from the product of wavelength and frequency?

[Wave] Speed OR [Wave] Velocity

### 395 River Geography

Unlike the Mississippi River which runs from north to south, what most famous example of a river that runs south to north begins at Lake Victoria and empties into the Mediterranean Sea?

Nile [River]

### 396 [P&P] Desirable Teachers

At a given high school, half of the 472 9th graders are taking algebra. Mrs. Sanchez is teaching two classes, each with 27 students. Express in lowest terms the fraction of students who are taking Algebra who have Mrs. Sanchez as a teacher.

27/118

### 397 Cultural Outfits

What traditional style of clothing consists of leather pants with suspenders and comes from areas in the Alps with German-speaking people?

Lederhosen

### 398 Sentence Types

What type of sentence is illustrated by the following line from a nursery rhyme?

Jack fell down and broke his crown, and Jill came tumbling after.

Compound [sentence] [REJECT Compound-Complex]

### 399 New Places New Spaces

Meg Murray, her brother, and her friend, all travel to rescue Meg's father who is a scientist that has been missing for a whole year. Name this novel by Madeleine L'Engle.

*A Wrinkle in Time*

### 400 Wonders

Located near Cairo, what is the only remaining wonder of the ancient world?

[The] Great Pyramid of Giza

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### 401 Historical Homesteads

Name the Virginia home of Thomas Jefferson, started in 1769 and never finished in his lifetime.

Monticello

### 402 Logic

Give the inverse of this statement: "If it has stripes, then it's a tiger."

If it does not have stripes, it is not a tiger.

### 403 Dark Poetry

What poem by Robert Frost tells the story of a young boy who loses his life after an accident with a buzz saw?

"Out, Out"

### 404 Lakes

Of the five Great Lakes, which one extends the furthest south?

Lake Erie

### 405 Running

Pheidippides' [fie-DIP-i-deez] long run in order to deliver news to Athens about a victorious battle inspired what modern day sporting event?

Marathon

### 406 Fire Crisis

Which country suffered from a bushfire crisis in late 2019 and early 2020, destroying homes, wildlife, and over 46 million acres of land?

Australia

### 407 [P&P] Calculating Properties

A 3.6 kilogram piece of metal displaces .30 liters of water when submerged. Calculate the density of the metal in kilograms per liter.

12 [kilograms per liter]

### 408 Mineral Properties

Including words like glassy, pearly, dull, earthy and metallic, what property describes the way that light reflects off the surface of a mineral?

Luster

### 409 Stages of Life

What are the four stages of complete metamorphosis in insects?

(in any order) Egg, Larva, Pupa, Adult (or Imago)

### 410 Sentence Types

Classify the following sentence according to its structure.

On Wednesday, Heather decided to stay home from school, for she wanted to binge watch *Stranger Things*.

Compound [sentence] [REJECT Compound-complex]

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### 411 Unforgettable Churches

What is the name of the Church which occupies the focal center of Vatican City?

St. Peter's [Basilica]

### 412 Tricky Subjects

Identify the subject of the following sentence:  
Discovering new clues, Detective Cody raced off to solve the crime.

Detective Cody

### 413 Shifting Geographies

What geographical term describes the larger area over which a river's floodplain has shifted over geological time?

alluvial plain OR alluvial fan

### 414 Olympic firsts

In what city were the first modern Summer Olympics in held 1894?

Athens [Greece]

### 415 Changing Forms

Steam forming on the mirror after a hot shower is a demonstration of what process wherein a gas becomes a liquid?

Condensation

### 416 Presidential Crisis

Constituting an ongoing presidential crisis in 2020, Juan Guaidó (Gweye-DO) and Nicolás Maduro (Mah-DUR-oh) are both claiming presidency in which country?

Venezuela

### 417 Mistaken Quotations

While this queen of France and wife of Louis XVI became infamous for saying "Let them eat cake," most historians now agree that she didn't actually say it. Who was she?

Marie-Antoinette

### 418 [P&P] Unusual Dice

Jeff has six dice. Three of the dice have six sides, two of the dice have twelve sides, and the final die has seven sides. Each die's faces begin at one and increase by one on each additional side. If Jeff rolls all of his dice at the same time, what will the roll's average total be?

27.5

### 419 Pointed Innovations

What technology, introduced in the 19th century to the Great Plains, allowed cheap and rapid construction of cattle fencing compared to the older post-and-rail fences or sod-and-stone walls of Europe?

Barbed wire [fencing] OR Barb wire (PROMPT on wire)

### 420 Young Adult Literature

In *The Secret Garden*, what character moves to England after her parents die of cholera, finds a key to a secret garden, and befriends the sickly Colin?

Mary [Lennox]

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## 421 Dreamy quotes

In what play does Prospero say, "We are such stuff / As dreams are made on, and our little life / Is rounded with a sleep"?

*The Tempest*

## 422 Useful Chemicals

What chemical is used both as a component of explosives and as a lifesaving blood vessel dilator used during heart attacks?

Nitroglycerin

## 423 Spirituals

The spiritual "Go Down Moses," based on Exodus chapter 8, verse 1, has the recurring command to Pharoah to "let My people..." what?

Go

## 424 Trials

The Rivonia trial resulted in the imprisonment of Nelson Mandela and six other men on what island off the coast of South Africa?

Robben Island

## 425 [P&P] Money Problems

If I have 14 coins which are either nickels or pennies and I have 30 cents, how many pennies do I have?

10

## 426 Frictional Fluids

When you try to put ketchup on your fries, it takes awhile because of the internal friction within the ketchup - a physical property of fluids known as what?

Viscosity

## 427 Great Adventures

Who wrote the following works?

*Kidnapped*

*The Strange Case of Dr. Jekyll and Mr. Hyde*

*Treasure Island*

[Robert Louis] Stevenson

## 428 Overcoming Obstacles

President Franklin D Roosevelt was wheelchair-bound due to what paralytic disease, though this fact was generally hidden from the public during his administration?

Polio OR Poliomyelitis

## 429 Mnemonics

In the biological mnemonic, "King Philip Came Over For Good Soup", what taxonomic rank is represented by "Philip"?

Phylum OR Phyla

## 430 Little Countries

What tiny nation-state, located at the southern end of the Strait of Malacca, is one of the world's busiest ports?

Singapore

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### 431 State Flags

Whose portrait appears in the center of the Washington state flag?

[George] Washington

### 432 Farming Styles

The process of modifying steep farmland -- used in the Philippines, Peru, and Central Africa -- by grading the land into a series of level benches is called what?

Terracing OR Terraces [REJECT Terraforming]

### 433 Legal Positions, Once

In ancient Rome, this title was bestowed upon a man to lead the city in times of emergency. Today, it refers to someone who rules in an authoritarian regime. What is this Latin word that means "one who gives orders"?

Dictator

### 434 Corporations

Profits returned to the shareholders of a corporation are known as ...

Dividends

### 435 Unique Parties

What kind of "party" occurred in Boston Harbor the night of December 16, 1773?

[The Boston] Tea [Party]

### 436 Tools

What apparatus, designed for efficiently conducting beheadings, was comprised of a heavy blade in sliding vertical grooves and was made famous by the French Revolution?

The Guillotine

### 437 Oceanic Organisms

What is the group of primarily photosynthetic organisms that provide the majority of the Earth's oxygen and serve as the food base for almost all aquatic life?

Algae OR Phytoplankton

### 438 Epic Rock Climbing

El Capitan [el kap-ee-TAN] is a popular climbing site in what National Park?

Yosemite [yoh-SEM-i-tee]

### 439 A Full House

In *The Chronicles of Narnia*, what is the surname of the siblings Peter, Susan, Edmund, and Lucy?

Pevenise

### 440 [P&P] Travel problems

A plane leaves the airport going south at 400 miles per hour, a second plane leaves from the same airport an hour later going north at 300 miles per hour. In miles, how far apart are the two planes 4 hours after the first plane left the airport?

2500 [miles]

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## 441 French Grammar

In the French language, what negative adverb means "no longer?"

Ne plus [ne ploo] [REJECT Ne pas]

## 442 Native American Uprisings

Fort Saint Anthony is the original moniker for what fortress in Minnesota, which was built to suppress the Dakota uprisings?

Fort Snelling

## 443 Music

English composer Gustav Holst is best known for what orchestral suite?

*The Planets*

## 444 Space Research

Launched in 2018, NASA's Parker Probe will be the first spacecraft to enter the atmosphere of what stellar object?

The Sun OR Sol OR Earth's Sun [REJECT Any other star]

## 445 Crazy Climates

Within Alpine climate, Foehn [*fane*] winds can raise the temperature by 20 to 40 degrees in a matter of minutes. Which type of Foehn wind would be found coming off the Rocky Mountains?

Chinook [winds] OR Chinooks

## 446 Children's Literature

Roald Dahl once noted that the *The BFG* was one of his favorite novels. For what does BFG stand?

Big Friendly Giant

## 447 Bad Dudes in History

What 12th to 13th century warrior is credited with creating the largest land empire in history, after he united the Mongolian cavalry under his brutal rule?

Genghis Khan [REJECT Kubla Khan]

## 448 Top of the Food Chain

In the following list of abbreviated executives, what does the "C" stand for?  
CEO, COO, CIO, CMO, and CFO

Chief

## 449 Dystopian Sentence Structures

Classify the following sentence from George Orwell's 1984 according to its structure --

*To dissemble your feelings, to control your face, to do what everyone else was doing, was an instinctive reaction.*

Simple [Sentence]

## 450 Dice Problems

If you throw two unweighted six-sided dice, each of which is numbered 1 to 6, what is the most probable sum of the two dice?

7

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### 451 Technological Firsts

"Mr. Watson, come here; I want to see you" were the first words spoken by whom into his newly invented telephone?

[Alexander Graham] Bell

### 456 Labor of Love

In *The Odyssey*, which character weaves all day and then unweaves all of her work all night in order to avoid having to choose a new husband?

Penelope

### 452 All Downhill From There

World War II began on September 1, 1939, when the German army invaded what Eastern European nation?

Poland

### 457 Legal Monopolies

What is the term for the form of intellectual property that gives its owner the exclusive right to sell or license copies of an artwork for a set period of years?

Copyright

### 453 Native Sons

Rockers Bruce Springsteen and Jon Bon Jovi both grew up in what northeastern US state?

New Jersey

### 458 The Old Gods

Which Norse god was the god of magic and divination and an accomplished shape-changer, often appearing on earth as an old one-eyed man in a cloak and a broad-brimmed hat?

Odin

### 454 Eroded Artworks

The magnificent sculpted formations seen in Canyonlands National Park are caused by wind and water eroding what major category of rock that includes sandstone and limestone?

Sedimentary

### 459 [P&P] Coefficients

In the equation  $3x+2y$ , what is the coefficient of Y?

2

### 455 Gimme a Hand

In the human hand, the wrist bones are carpals, the palm bones are metacarpals, and the finger bones are called what?

Phalanges

### 460 French Translation

Celebrated for its French Gothic architecture and popularized by Victor Hugo's novel *The Hunchback of Notre-Dame*, the medieval Catholic cathedral Notre Dame de Paris's name means what in English?

Our Lady [of Paris]

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### 461 Impressive Systems

Many of the peaks are volcanic, and hundreds of them stand over 15,000 feet or 4500 meters high. The highest peak reaches nearly 23,000 feet or 7000 meters. Name this mountain range in South America, which is the longest in the world.

Andes

### 466 English Literature

The following characters are in what novel by William Golding:

Jack  
Ralph  
Simon  
Piggy  
The "littluns"

Lord of the Flies

### 462 Public Health Emergencies

Beginning in April of 2019, New York City declared a public health emergency due to an outbreak of what disease?

Measels

### 467 Animal Opposites

An animal that is active at night is "nocturnal." What is the term for an animal that is active during the day?

Diurnal

### 463 Common Groupings

The following are all examples of what literary device? Kayak, stats, radar, madam.

Palindrome

### 468 [P&P] Algebraic Ratios

If  $a$  over  $2b$  is equal to 4, what is the value of  $b$  over  $a$ ?

1/8

### 464 The Strength of the Building

Romans discovered what building material made of an aggregate material mixed with ash which made buildings like the Pantheon in Rome possible?

Concrete [REJECT Cement]

### 469 Remote Sensing

Satellites that orbit the earth at a rate that matches Earth's rotation and in the same direction are collectively known as what types of satellites?

Geostationary OR Geosynchronous [REJECT Stationary]

### 465 Cutting Fuel Costs

Vehicles that move by a combination of an internal combustion engine as well as an electric motor driven by a battery are typically called what kind of vehicles?

Hybrid [REJECT Fuel Efficient]

### 470 States of Origin

President Barack Obama was born in what U.S. state?

Hawaii [REJECT Kenya]

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### 471 Professions

The terms "gaucho" and "vaquero" in Spanish roughly translate to what profession in English?

---

Cowboy

### 472 A Solitary Vote

Which Republican senator voted to convict President Donald Trump on the first article of impeachment, becoming the first senator to vote against their party in a presidential impeachment trial?

---

[Senator Mitt] Romney

### 473 [P&P] Volume

What is the volume of a shipping container with measurements of 10 feet by 15 feet by 20 feet?

---

3000 [feet cubed/cubic feet]

### 474 Axis & Allies

Benito Mussolini led what Axis power during the Second World War?

---

Italy

### 475 Beware the Black Spot

Who created the character Tessie Hutchinson, who has a bad experience with a town lottery which leads to her death at the end of the story?

---

[Shirley] Jackson

### 476 Localized Religions

The third largest in the world by number of adherents, what religion is predominantly practiced in South Asia?

---

Hinduism OR Hindu

### 477 Aphorisms

Complete Hanlon's razor, which says, "Never attribute to malice that which is adequately explained by \_\_\_\_\_ [blank]"

---

Stupidity OR Incompetence

### 478 Planetary Astronomy

What do astronomers call the zone around a star where water has the ability to exist in all three phases?

---

Habitable [Zone] OR Goldilocks [Zone]

### 479 Working Together

This occurs when two separate business entities combine forces to create a new, joint organization. What is it called?

---

Merger [REJECT Acquisition]

### 480 Cell division

What process of cell division results in two identical daughter cells?

---

Mitosis

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### 481 Early societies

Situated between the Tigris and Euphrates rivers, what historic region is often referred to as the "Cradle of Civilization"?

Mesopotamia

### 486 Animal Nomenclature

A male peafowl is a peacock. What is a female of the species called?

Peahen

### 482 That's Cold, Bro

Minus 273.15 Celsius and minus 459.67 Fahrenheit is what on the Kelvin scale?

[absolute] Zero

### 487 [P&P] Difference of squares

Factor: x squared minus 16

The quantity x minus four end quantity times the quantity x plus four end quantity [accept pauses in place of quantity/end quantity]

### 483 Symbols

What is the name of the symbol found on Twitter that might be known more formally in other places as an octothorpe?

Hashtag [REJECT Pound Sign OR Number Sign]

### 488 Big Game Hunting

In the 1924 story by Richard Connell, what animal is the "most dangerous game" and the chosen prey of General Zaroff?

Humans

### 484 The Three Bs

Beethoven and Bach make up two of the famous "Three Bs" in classical music. Name the third, known for his "Hungarian Dances."

[Johannes] Brahms

### 489 Neologisms

Smog is a term coined in the 20th century that is a portmanteau [port·man·tow] of what two words?

Smoke and Fog

### 485 World Changers

Martin Luther, John Calvin, and John Knox are names associated with what major Western religious movement in the 16th century?

[Protestant] Reformation

### 490 Recent Elections

"Leave" and "Remain" were the two choices in the 2016 vote in the United Kingdom known by what 6 letter term?

Brexit

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### 491 Expanded Sovereignty

Lewis and Clark were chartered to explore lands comprising what purchase?

Louisiana [Purchase]

### 492 Saints

Loyola University is named after which saint, who also was the founder of the Jesuits.

[St.] Ignatius

### 493 Espionage

Julian Assange, an Australian editor and publisher, was charged by the United States government for violating the Espionage Act of 1917 after his company published classified military documents provided by Chelsea Manning, a former intelligence analyst for the U.S. Army. Simultaneously, a warrant was out for his arrest in Sweden for sex crimes. Assange founded what company?

WikiLeaks

### 494 Cold War Characters

What Soviet premier instituted the policy of "glasnost," meaning openness and transparency, in 1985, eventually leading to the end of the Cold War?

[Mikhail] Gorbachev

### 495 Solution Vocabulary

What is the term for the substance in which something else is dissolved?

Solvent

### 496 Musicals

What 1957 Tony Award-winning musical, inspired by Shakespeare's *Romeo and Juliet*, tells the story of two rival gangs in New York City?

*West Side Story*

### 497 Lunar Phases

Tonight a waxing crescent moon phase is observed in the night sky. Two weeks from now, what lunar phase would be visible in the night sky?

Waning Gibbous

### 498 [P&P] Measurements

To the nearest whole number, what is the approximate area of a circle with a diameter of 8?

50

### 499 Science Fiction Staples

What landmark 1965 novel details the rise of Paul Atreides as ruler of the planet Arrakis?

*Dune*

### 500 Famous Speeches

In *The Tragedy of Julius Caesar*, which character delivers a burial oration for Julius Caesar that begins with the famous lines, "Friends, Romans, countrymen, lend me your ears"?

Mark Anthony

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## 501 Elemental Groups

What descriptive name is given to the thin strip of elements that separate the metals from the nonmetals in the periodic table?

Metalloids OR Semi-Metals OR semi-conductors

## 502 Historic Photography

The Event Horizon Telescope captured the first image of what in 2019?

A black hole

## 503 American Poets

In one of her poems, Emily Dickinson describes taking a carriage ride with what gentleman, who "kindly stopped" for her?

Death

## 504 Spanish Verbs

In Spanish, there are two verbs that loosely translate as "to know." In its infinitive form, which of these verbs do you use when you are talking about knowing certain people?

Conocer (Pronounced Koh-No-sair. Accept reasonable pronunciations)

## 505 Sports

In 2019, the U.S. Women's Team became the second team to win consecutive championships and the first country to win the Women's World Cup four times in what sport?

[Women's] Soccer OR European Football [REJECT Football OR American Football]

## 506 [P&P] Mathematical Roots

If the square root of  $x$  plus the square root of 25 equals the square root of 64 what is  $x$ ?

9 [REJECT 3]

## 507 What They Speak

What is the official language of the Southeast Asian country of Myanmar?

Burmese

## 508 Literary Linguists

Who created an entirely new language for his novels *The Hobbit* and *The Lord of the Rings*?

[J.R.R.] Tolkein OR [John Ronald Reuel] Tolkien

## 509 Sigils

What two royal houses of England were represented by the roses during the War of the Roses?

Lancaster and York

## 510 Below Ground

In the US, O, A, B, C, and R are used to indicate the different layers in a soil profile. Each of these layers would be known as a soil...

Horizon

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### 511 Donkeys

What are male donkeys called?

Jack[s]

### 516 [P&P] Imperial Chronology

Put the following Roman emperors in chronological order: Constantine, Nero, Augustus

Augustus, Nero, Constantine

### 512 Hold the Line

At what important line of latitude is the sun directly overhead at the June solstice?

Tropic of Cancer OR Northern Tropic

### 517 [P&P] Test Score Statistics

A group of 4 students get the following scores on a quiz worth 10 points. 9, 8, 6, and 7. If another student joined the group, how many points would she have to get to make the group average 8 out of 10?

10 [points] OR 10 out of 10

### 513 [P&P] Multi Step Problems

$x$  equals two thirds  $y$ .  $y$  equals 18. What is the value of  $2x$  minus 3?

21 [REJECT 12 (didn't do the 2nd part of the problem)]

### 518 2021 Deaths

What eighty-six-year-old baseball player, who still held the record for most runs batted in and had held the record for most career home runs for 33 years before being surpassed by Barry Bonds, died in January of 2021?

[Hank or Henry] Aaron

### 514 Magical Places

In what Newberry Award winning novel by Katherine Paterson do Leslie and Jess reign as imaginary monarchs over a make believe kingdom beyond a creek, until tragedy strikes and Leslie dies attempting to cross the creek on her own?

*Bridge to Terabithia*

### 519 Singing in Celebration

What is the name of the English-language oratorio written by George Handel in 1741 using excerpts from the King James Bible and the Coverdale Psalter?

[The] Messiah [REJECT Hallelujah Chorus]

### 515 Laboratory Techniques

What laboratory technique is used to purify liquids by repeated cycles of vaporization and condensation?

Distillation

### 520 Into the Woods

What existentialist wrote this: "I went to the woods because I wished to live deliberately, to front only the essential facts of life, and see if I could not learn what it had to teach, and not, when I came to die, discover that I had not lived."

[Henry David] Thoreau

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### 521 Hitting Pause

Construction of what famous monument in Washington, D.C., was halted for 23 years due, in part, to the American Civil War?

Washington Monument

### 522 A Hero and a Scholar

What co-author of the Federalist Papers served as first U.S. Secretary of the Treasury?

[Alexander] Hamilton

### 523 Regions

The region known as Inner Mongolia is part of what country?

[People's Republic of] China

### 524 Family Trees

According to Greek Mythology, who was the father of the following figures?

Proteus  
Pegasus  
Polyphemus  
Triton

Poseidon [REJECT Neptune (Roman)]

### 525 Atomic Structure

If two atoms are considered isotopes of each other, the number of which type of subatomic particle must be different between them?

Neutrons

### 526 Agriculture

What type of agriculture is being practiced when farmers grow food crops to meet the needs of themselves and their families, but farm output is targeted to survival and for local requirements with little or no surplus?

Subsistence [Agriculture] OR Subsistence Farming

### 527 Types of Poems

Name the type of poem that consists of five lines following an AABBA rhyme scheme, where the third and fourth lines are shorter than the first, second, and fifth lines. It is common for this type of poetry to begin with "There once was . . ."

Limerick

### 528 Interest

Nicole bought a new little red Corvette. The car cost \$50,000. She put \$10,000 cash down and signed a note for \$40,000 at 4% APR. What does APR stand for?

Annual Percentage Rate

### 529 Mysterious Detectives

What 20th century writer created both Miss Marple and Hercule Poirot [er-KUL PWA-row]?

[Agatha] Christie

### 530 [P&P] Waves and Vibrations

If a water wave vibrates up and down two times each second and there are 1.5 meters between wave crests, in meters per second, what is the speed of the wave?

3 [meters per second]

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### 531 Coastal Territories

Which islands off the coast of Argentina are actually a British overseas territory?

Falkland Islands OR Islas Malvinas

### 532 [P&P] Area

What is the area in square feet of a corn field that is 150 feet wide and 200 feet long?

30,000 [square feet]

### 533 Birds of a Feather

"Mrs. Weasley was a mother hen, trying to take care of everyone around her."  
Assuming Mrs. Weasley doesn't actually have feathers, what rhetorical device was illustrated in the previous sentence?

Metaphor

### 534 Ancient Philosophers Getting Rich

Aristotle tells a story in which Thales [THAY-leez] proved the value of his scientific knowledge by buying up all the olive presses on his island after predicting a particularly good olive harvest. He could then charge very high prices to lease his presses. What is the term for a situation in which a single person or entity is the only supplier of a particular commodity?

Monopoly

### 535 Dystopian Fiction

Who created the characters Haymitch Abernathy, Peeta Mellark, and Katniss Everdeen?

[Suzanne] Collins

### 536 The Last Will Be First

Who was the first vice president and second president of the United States?

John Adams [REJECT John Quincy Adams]

### 537 Weather Forecasting

During warmer weather months, what index is used by meteorologists in weather forecasts to inform the public about the combined effects of temperature and humidity on human comfort?

Heat [Index]

### 538 Famous People

In Moravia, at St. Thomas's abbey, what Augustinian Friar famously conducted experiments with pea plants?

[Gregor] Mendel

### 539 Age of the Winged Victory

What period generally taken to begin with the death of Alexander the Great in 323 BC and end with the conquest of the Greek world by the Romans gave us a high concentration on human form and human expression in art?

Hellenistic [Period] OR Hellenism

### 540 Robotics Principles

In the world of robotics, all robot positions are defined with reference to what kind of system, which includes examples such as Base and Cartesian?

Coordinate [System]

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### 541 [P&P] Decagon Diagonals

Consider a ten-sided regular polygon. If you draw interior diagonal lines from each vertex to each other vertex, how many lines do you draw?

35

### 542 Literary Animals

What kind of animal was Rudyard Kipling's Rikki Tikki Tavi?

Mongoose

### 543 Words, Words, Words

The following is an example of what literary device? A man, a plan, a canal, Panama.

Palindrome

### 544 Slavery

Guides on what secret route that stretched from the South to the North in the mid-19th century were known as "conductors"?

The Underground Railroad

### 545 Weaponry

A Kirpan [kir-PAHN] is a small sword or dagger traditionally carried by what religious people associated with the Punjabi [puhn-JAH-bee] region?

Sikhs [seek]

### 546 European Nations

Flanders and Wallonia are autonomous regions in what European country?

Belgium

### 547 Space Exploration

The words "one small step for man...one giant leap for mankind" were uttered by what astronaut as he took is first step on the surface of the moon back in 1969?

(Neil) Armstrong

### 548 Troublesome Fruit

What fruit features prominently in both a Viking myth, where several of them were stolen from the gods by Loki, and also in a Greek myth, where one of these was inscribed with the words "To The Fairest"?

[Golden] Apples

### 549 Seeing Double

Not to be confused with other forms of convergent evolution, what is the term for the phenomenon in which a species has evolved to look similar to another species or object as an anti-predator adaptation?

Mimicry

### 550 Famous Names

In the spectrum of visible light, ROY BIV's middle initial stands for what color?

Green [REJECT "G"]

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### 551 Commonalities

Similar geometric shapes that share a common center, such as rings on the surface of a pond, are described by what term?

Concentric OR Coaxial OR Coaxal

### 552 Fancy Duds

A white habit emblazoned with a red cross was the signature style of what order of religious knights?

[The Knights] Templar

### 553 That's Fast!

If a spaceship traveling at half the speed of light observes a photon leaving the back of the ship in the opposite direction, how fast will that photon appear to be moving?

Speed of Light OR  $c$  OR  $3 \times 10^8$  m/s

### 554 American Literature

In what novel by Mark Twain do the main character and an escaped slave named Jim travel down the Mississippi River, finding adventure and mishap everywhere they turn?

*The Adventures of Huckleberry Finn*

### 555 Children's Programming

Premiering in 2020 to help refugees and children living in war zones, what puppet-based TV show launched a spin-off program whose Arabic name means "Welcome Sesame"?

Sesame Street [REJECT Ahlan Simsim OR The Muppets]

### 556 Nutritional Numerology

Although carbohydrates and proteins have four kilocalories per gram, what other major nutrient category has nine kilocalories per gram?

Fat[s]

### 557 [P&P] An Age-Old Question

Greta is twice as old as her brother, Mikey. 8 years ago, she was 3 times as old as he was then. How old is Greta now?

32

### 558 Financial Review

Give the job title for the person who examines financial records and statements to evaluate their accuracy and veracity.

Auditor

### 559 Infamous People

On November 22, 1963, who assassinated President John F. Kennedy?

[Lee Harvey] Oswald

### 560 Written in Hiding

What young Dutch girl kept a diary that she referred to as "Kitty" while she was hiding from the Nazis from 1942 to 1944?

[Anne] Frank (PROMPT on Anne)

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## 561 Just When You Thought It Was Safe...

The cartilaginous [kar-till-AJ-in-us] fishes include skates, rays, and what scary-looking member that, despite its reputation, only very rarely kills human swimmers?

Shark[s]

## 562 Household Chemicals

What is the common name for  $C_3H_8$  [read: C three H eight], which is a gas at room temperature and a liquid when compressed into a tank?

Propane

## 563 Mythical Allusions

William Carlos Williams and W. H. Auden both wrote a poem alluding to this mythical figure. Pieter Bruegel [Pee-ter Broy - gal] painted a famous landscape showing the result of his attempt to fly too close to the sun. Who was he?

Icarus

## 564 Tasting the Forbidden

The Prohibition prohibited the sale of what?

Liquor [of all types] OR [Drinking] Alcohol

## 565 [P&P] Vibrations and Waves

A tall skyscraper sways back and forth at a frequency of 0.2 hertz. In seconds, what is the period of vibration?

5 [seconds]

## 566 Obvious Terms

A person of slim build and small size is often described by what French term?

Petite

## 567 Reach Out

What type of marketing involves using marketing methods and techniques on the Internet to reach a wide range of your target market?

Online [Marketing] OR Social Media [Marketing]

## 568 Gothic Literature

Who is the narrator in Edgar Allen Poe's "The Cask of Amontillado"?

Montresor

## 569 Geography

Antananarivo is the capital city of what island nation to the east of the Mozambique Channel?

Madagascar

## 570 Numbers

What are numbers called when they cannot be expressed as a quotient of two integers?

irrational [numbers]

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### 571 Relativity

What scientist, in 1905, proposed a theory that described how time is affected by motion at constant velocity and also how mass and energy are related?

[Albert] Einstein

### 576 Big Rivers

About two thirds of the Amazon River's main stream flows through which country in South America?

Brazil

### 572 German Words

What German words means both "tomorrow" and "morning"?

Morgen ['mɔrgən]

### 577 Radio Ratios

If the second most popular radio station genre in the US is classic hits, what is the most popular genre?

Country OR Country-Western

### 573 Government Departments

What executive department is the largest employer in the United States and is headquartered in the Pentagon?

Department of Defense

### 578 [P&P] Concentration

If the concentration of carbon dioxide in air is given as 0.0390%, then what would be the concentration in parts per million?

390 [ppm]

### 574 Bleak Books

Who wrote the following works?

*A Tale of Two Cities**A Christmas Carol**Oliver Twist*

[Charles] Dickens

### 579 Trek Tech

In the Star Trek universe, Zefram Cochrane's first warp-capable ship was named after what mythical bird that, though consumed in flames, emerges again from the ashes?

Phoenix

### 575 Simultaneous Inventions

Two men invented calculus simultaneously. They were Gottfried [GAWT-freet] Leibniz [LAHYB-nits] and what English mathematician?

[Isaac] Newton

### 580 Poetic Characters

What poetic character by Lewis Carroll does the following describe? "...Eyes of flame, came whiffing through the tulgey wood, and burred as it came!"

[The] Jabberwock[y]

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## 581 [P&P] 3-Way Matching

Match the painters (A-D), their dominant styles (1-4), and famous paintings (W-Z):

Artists: A. Rembrandt, B. Van Gogh, C. Hopper, D. Picasso

Styles: 1. Cubism, 2. Impressionism, 3. Baroque, 4. Realism

Paintings: W. *Nighthawks*, X. *Starry Night*, Y. *The Night Watch*, Z. *Guernica*

A-3-Y; B-2-X; C-4-W; D-1-Z

## 582 Presidential Peculiarities

Which US President does the following describe?  
His face is on Mount Rushmore, he commanded the Rough Riders in the Spanish-American War, and people called him "Teddy."

Theodore Roosevelt (PROMPT on Roosevelt OR Teddy Roosevelt)

## 583 Important Treaties

What treaty officially ended World War I?

[Treaty of] Versailles [REJECT Treaty of Paris]

## 584 Pen Names

William Faulkner once said that Mark Twain was the "father of American Literature." Mark Twain was, of course, a pen name for what person?

Samuel [Langhorne] Clemens

## 585 Surnames

In the Shakespearean play, what is Romeo's last name?

Montague

## 586 Celestial Neighbor

What is the name of the spiral galaxy that is closest to our own, the Milky Way Galaxy?

Andromeda [Galaxy]

## 587 [P&P] Sound and Vibrations

In the USA, children are taught to divide the number of seconds between a lightning flash and the resulting clap of thunder by 5 to estimate the distance from the lightning flash in miles. However, in most other countries the metric system is in use. What whole number should be used to divide the time lag between lightning and thunder to estimate the distance in kilometers?

3

## 588 Silver Linings

An approximately 40 percent decrease in nitrogen dioxide levels over many Chinese cities in early 2020 came about due to temporary restrictions put in place to contain the outbreak of what disease?

COVID-19 OR Coronavirus disease 2019 OR 2019-nCoV acute respiratory disease [REJECT Coronavirus]

## 589 Science liquids

What word is used to describe a homogenous mixture of two substances?

Solution

## 590 Ancient Religions

Which religion, indigenous to China, comes from a word that means "way" or "path"?

Taoism [Dow-ism] [REJECT Confucianism]

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### 591 Governments

What form of government is exemplified by European nations like the United Kingdom, Spain, and Belgium?

Constitutional Monarchy

### 592 One on one

A single proton and a single electron make one atom of what?

Hydrogen

### 593 Adverbs

Adverbs can modify what 3 parts of speech?

Adjective, Verb, and Adverb (Need all 3)

### 594 Genetics

The service "23andMe" has gained popularity as a gift. What does the "23" represent in "23andMe"?

Number of [human] chromosomes

### 595 Happy Days

The period of relative political cohesion in the United States following the War of 1812 is often referred to as the "Era of ..."

Good Feelings OR Good Feeling

### 596 Mapping

What term refers to the height or depth of surface features or to the features themselves in a geographic area?

Topography

### 597 [P&P] Sequences and Series

What is the next number in this sequence? 3, 9, 27, 81...

243

### 598 Managment Styles to Avoid

Autocratic managers police their employees' every small move to make sure they're obedient, allowing little to no flexibility at work. This hands-on management style is known as what?

Micromanagement

### 599 Astrological Animals

In the Zodiac, what kind of animal is Aries?

A Ram OR A Sheep

### 600 Perfect Societies

What dystopian novel introduces Jonas as the "Receiver of Memory"?

The Giver

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### 601 Famous Dog Lovers

Name the protagonist created by Phyllis Naylor who rescues an abused beagle and names him Shiloh.

Marty [Preston]

### 602 Natural Disasters

In November 2019, flooding in what European city caused more than \$5 million damage to St. Mark's Basilica?

Venice

### 603 [P&P] Lines

Find the equation for the line perpendicular to the line  $y=15x+7$  that passes through the point (0,7).

 $y=-(1/15)x+7$ 

### 604 Grammar

What is the complete subject of the following sentence?

Collecting stamps has always been a favorite pastime of mine.

Collecting stamps

### 605 [P&P] River Math

You are paddling up stream at a rate of four knots. The river is flowing at four knots. How fast are you moving relative to the riverbank?

0 [knots]

### 606 Physical Laws

The principle that forces between two bodies are equal in magnitude and opposite in direction is known as whose Third Law?

[Isaac] Newton's

### 607 Immune System

What elements of the immune system are Y shaped proteins that help the body fight foreign invaders, such as bacteria or viruses?

Antibodies

### 608 Climate Impact

The amount of carbon dioxide and other greenhouse gas emissions your activities have produced over the past year are used to calculate what?

Carbon Footprint

### 609 Remember?

What key battle of the Texas Revolution occurred between Mexican general Santa Anna and Texan revolutionaries occupying a mission in modern-day San Antonio?

[Battle of the] Alamo

### 610 The Soul

Also the name of a sculpture in the pharaoh's burial site that was designed to hold the soul of the pharaoh when he revisited earth after death, in Ancient Egypt, what was the word for "soul"?

Ka

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## 611 [P&P] Equations

Solve for x in terms of y:  $7x + 14y = 21$  $[x = ] 3 - 2y$ 

## 612 Meteorology Terminology

In the northern hemisphere, if a tropical cyclone has sustained winds below 74 miles an hour, it's called a tropical storm. What is it called if its winds stay at speeds above 74 miles per hour?

hurricane OR cyclone

## 613 Ancient Wars

Which two cities were the leading combatants in the Peloponnesian War?

Athens and Sparta

## 614 Current Events

In what city did George Floyd die while in police custody?

Minneapolis [MN]

## 615 Famous Guides

What is the name of the Shoshone [shuh-SHOW-nee] Woman who helped guide Lewis and Clark in their expedition?

Sacagawea

## 616 A Normal Day's Work

This book by Daniel Defoe is considered to be one of the very first English novels. Over the course of the novel, the title character is shipwrecked, taken by pirates, sold into slavery, and encounters cannibals. Name the work.

*Robinson Crusoe*

## 617 Not Separate But Equal

By what process are foods or drinks, such as milk or peanut butter, forced under pressure through small openings that break up fat globules, thereby preventing the fats and oils from separating out later?

Homogenization

## 618 Literary Devices

The following popular tongue twister is an example of what literary device?  
Peter Piper picked a peck of pickled peppers.

Alliteration OR Consonance

## 619 American Landmarks

Name this structure built during the Great Depression that was thought to be impossible but spans the San Francisco Bay and connects San Francisco to Marin County.

Golden Gate Bridge

## 620 Types of animals

A "Silverback" is a dominant male of what genus?

Gorilla

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## 621 American Authors

Who wrote the following novels?

*Paper Towns**Turtles All the Way Down**Looking for Alaska**The Fault in our Stars*

[John] Green

## 622 Inspirational Islands

Where did Darwin spend five weeks observing plants, animals, and geology—observations that were critical to the ideas in his book, *On the Origin of Species*?

The Galapagos [Islands]

## 623 [P&P] Movie Math

A movie theater charges a one-time convenience fee of \$10 in addition to a price of \$29 per ticket for a special showing of *Donnie Darko*. If Gretchen purchases 12 tickets at once, how much will she pay?

\$358

## 624 Heads of State

This leader was the longest-serving British Prime Minister of the 20th century. She is also known as the Iron Lady.

[Margaret] Thatcher OR Maggie Thatcher

## 625 A Sinking Feeling

What blockbuster 1997 disaster film by James Cameron starred Leonardo DiCaprio and Kate Winslet?

Titanic

## 626 Lineage

The daughter of Geb and Nut, wife of Osiris, and mother of Horus, which Egyptian Goddess is often depicted as a woman with outstretched wings?

Isis

## 627 Sentence Parts

Identify the complete predicate in the following sentence:

"Ben's mother, Heather, gave me a gift."

Gave me a gift

## 628 Periodic Trends

What chemical property describes the ability of an atom in a molecule to attract shared electrons to itself?

Electronegativity

## 629 A River Runs Through It

What is the longest river in Europe?

The Volga [River]

## 630 Influential Physicians

Name the Director of the National Institute of Allergy and Infectious Disease who has been a major figure in the US response to COVID-19.

[Dr. Anthony] Fauci

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### 631 Making a Better Machine

Who expected his company's Autopilot feature would create a truly "complete" autonomous vehicle by the end of 2019?

[Elon] Musk

### 632 [P&P] Measurements

What is the perimeter in meters of a field measuring 30 meters long and 15 meters wide?

90 [meters]

### 633 Famous Questions

Who is credited with asking the question: "Dr. Livingstone, I presume?"

[Henry] Stanley

### 634 Bird Biomes

What region of savanna in the northern part of South America is home to many bird species including the scarlet ibis and umbrellabird?

[Los] Llanos

### 635 New Flags

In 2020, what US state retired its flag, made controversial by its incorporation of a blue x spotted with white stars on a red background?

Mississippi

### 636 Here Comes the Prequel

Name the novel by Suzanne Collins that was published in 2020 and follows a young Coriolanus 64 years before the beginning of Katniss's experience in *The Hunger Games*.

[The] *Ballad of Songbirds and Snakes*

### 637 Dangerous Traditions

Injuries are commonplace when dozens of people chase a round of what food down a steep hill in Gloucester [glah-stər], England?

[Double Gloucester] Cheese

### 638 Measurements

For a while, chemists and physicists had slightly different definitions for an AMU. In 1961, physicists and chemists agreed to redefine the AMU as one twelfth the mass of a carbon-twelve atom. For what does AMU stand?

Atomic Mass Unit

### 639 The Face of History

Who is on the \$50 Bill?

[Ulysses S.] Grant

### 640 Sentence Errors

What type of sentence error occurs when two or more independent clauses are joined together without appropriate punctuation?

Run-on [Sentence] OR Fused Sentence [REJECT Comma Splice]

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### 641 Pen Names

George Eliot is the pseudonym for whom?

Mary Ann Evans (must have the entire name)

### 642 French Grammar

What is the informal reflexive pronoun for “you” in French?

te [tuh] [REJECT vous [voo]]

### 643 Letters

Martin Luther King Jr. wrote many of his famous letters while imprisoned in what city?

Birmingham, [Alabama]

### 644 Apparent Contradictions

The following two word phrases are examples of what kind of literary device?

Alone together  
Act naturally  
Deafening silence  
Clearly confused

Oxymoron [REJECT Paradox]

### 645 Drop It

Which universal constant causes an acceleration near Earth’s surface of 32.2 feet per second per second?

Gravity OR Gravitation[al] OR G

### 646 Taxes

Opposition by American colonists to what 1765 act placing taxes on printed material played a large role in setting the American Colonies on the path of revolution against Britain?

The Stamp Act

### 647 Tasty Tunes

Name TWO of the four herbs named in the 1966 Simon and Garfunkel song “Scarborough Fair.”

Parsley, Sage, Rosemary, Thyme (any 2)

### 648 Dirtless

Growing plants in a soil-less medium, such as coco coir or perlite, typically in a greenhouse where nutrients are delivered in a liquid form is called what?

Hydroponics OR Aquaculture OR Tray Farming

### 649 World Records

Commonly distinguished as the driest nonpolar place in the world, this region extends 600 miles on the western side of the Andes mountains. Name this desert in South America -- possibly the oldest desert on the planet.

Atacama [Desert]

### 650 [P&P] Rolling the Dice

You throw two unweighted six-sided dice, each of which is numbered 1 to 6, and sum the pips. Expressed as a fraction in lowest terms, what is the probability of rolling a “7?”

1/6

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### 651 Medieval Travelers

Name the Venetian merchant, explorer, and writer who traveled along the Silk Road to China in the 13th century and wrote a book about his travels, which inspired Christopher Columbus.

[Marco] Polo

### 652 The Water of Life

In the novel by Natalie Babbitt, what is the surname of the family that was granted eternal life by drinking from a spring in the middle of the woods?

Tuck [REJECT Tuck Everlasting]

### 653 Edible Varieties

Marquis [mar-KEE], Gaines, Hard Red Winter, Soft White, and Durum are varieties of what?

Wheat (PROMPT on "grain")

### 654 Learning the Arts

What prestigious school in New York is the professional educational arm of the Lincoln Center for the Performing Arts?

Juilliard [School] OR Juilliard School of Music  
(former name)

### 655 The Big Blue

What is the world's largest ocean?

Pacific [Ocean]

### 656 Separate But Equal

Name ONE of the two subatomic particles with a mass of  $1.67 \times 10^{-27}$  kg [1.67 times 10 to the minus 27 kilograms].

Neutron OR Proton

### 657 Critical mail

In what Shakespearian play does tragedy follow the tardy delivery of a letter?

[The Tragedy of] Romeo and Juliet

### 658 [P&P] Red-faced Probability

If a person draws a card from a standard 52 card deck, what is the probability, expressed as a fraction in lowest terms, that that card will be a red AND face card?

3/26

### 659 An Abbreviated Solar System

To describe distance within our solar system, astronomers use conventional units of distance such as miles and kilometers or AUs where 1 AU is equal to the average distance between the earth and the sun. What do the letters AU stand for?

Astronomical Unit

### 660 Latin Roots

From the Latin root for "to speak," what word traditionally indicates a priest or priestess who is a divinely inspired seer of the future?

Oracle

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### 661 Music Scenes

The "grunge" music scene of the early 90s was based in what West Coast city?

Seattle

### 662 [P&P] Algebra

When  $x = 4$  and  $y = 2$ , what is the value of  $2x$  squared minus  $4y$ ?

24

### 663 Groundwater Penetration

More formally referred to as hydraulic conductivity, what property measures the capacity of earth materials to transmit water?

Permeability

### 664 Our Planet

In some places, it's 62 miles wide. In total, it extends over 4,000 miles. Its source is in Peru. Name this river, which is the second longest river in the world.

Amazon [River]

### 665 Strange Poems

What poem by Robert Service begins and ends with these lines?

"There are strange things done in the midnight sun  
By the men who moil for gold;  
The Arctic trails have their secret tales  
That would make your blood run cold."

"The Cremation of Sam McGee"

### 666 Bon Voyage

Although we now use formaldehyde and phenol, brandy was used for Lord Nelson coming back from Trafalgar, and honey was used for Alexander the Great coming back to Macedonia. What was being preserved in these cases?

Corpse OR Dead body (or equivalent)

### 667 Wildfires

Causing 85 deaths and destroying over 18,000 structures, what 2018 wildfire became the most deadly and destructive in California history at the time?

Camp Fire

### 668 Layers upon Layers

With a second-degree burn, blisters are formed when the epidermal layer separates from which underlying layer of the skin?

Dermis OR Dermal

### 669 Historic Locations

What modern day city do you need to visit in Italy if you want to see Juliet's house, which includes the balcony that she supposedly stood on while Romeo waxed poetic about heavenly objects?

Verona

### 670 A Whole New Look

Identify the marketing practice of creating a name, symbol, or design that identifies and differentiates a product from other products that can include color schemes, music, and of course logos.

[Product] Branding [REJECT Logo]

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## 671 Space Firsts

On October 18, 2019, NASA astronauts Christina Koch and Jessica Meir made history by completing the first ever what?

All-Woman Spacewalk

## 672 Prominent Lists

What American magazine publishes a famous annual list of the world's billionaires?

Forbes

## 673 Grand Old Presidents

Who was the first Republican President elected to office in 1860?

[Abraham] Lincoln

## 674 [P&P] Considering Earth Materials

Gold has a specific gravity of 20. If a 5-gallon bucket of water weighs 40 pounds, how much would the bucket weigh in pounds if it were filled instead with gold?

800 [pounds]

## 675 Literary Sagas

Which series by C.S. Lewis features the following books?

*The Horse and His Boy*

*The Silver Chair*

*The Magician's Nephew*

*The Lion, the Witch, and the Wardrobe*

[The] Chronicles of Narnia

## 676 Eighteenth-Century Intelligentsia

What eighteenth-century intellectual movement grew out of skepticism of religious and state authority and the growth of the public sphere?

The Enlightenment

## 677 Highland Games

Tossed in every Highland Games, long, tapered poles reaching almost 20 feet long are known as what?

Cabers

## 678 Countries of Africa

Madagascar, the Democratic Republic of the Congo, Cameroon, and the Seychelles [say shells] all share what as an official language?

French

## 679 Literary Devices

Identify the dramatic device used when a character on stage gives a brief speech that only the audience can hear even though there are other characters on the stage.

Aside [REJECT Soliloquy]

## 680 Diamonds are Forever

Popularized by a James Bond film, "Diamonds are Forever" may not actually be true unless you are under immense pressure and heat. At the earth's surface, diamonds are actually in a metastable state, transforming into what more favorable form given sufficient energy?

Graphite

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### 681 [P&P] Fruity Math

How many ounces of fruit are there in a pound and a half of strawberries?

24 [ounces]

### 686 Journalistic Troublemakers

What rather vulgar term was used for a group of early 20th century journalists that kept the sordid details of industry, poverty, and political corruption before the public eye?

Muckraker[s]

### 682 Big Game Hunting

What story by Richard Connell was originally published in 1924 with the title "The Hounds of Zaroff"?

"The Most Dangerous Game"

### 687 Size

The distance from the atomic nucleus to the outermost stable electron in an orbital describes what property of atoms?

atomic radius

### 683 Famous Painters

What famous painter, born in Spain but living most of his life in France, is best known for his cubist paintings such as "Guernica" /ger'nika/ and "The Weeping Woman"?

[Pablo] Picasso

### 688 Quiz Show

Reminiscent of a phrase most often used by modern teenagers referring to questions from their parents, what was the 16th century effort by church authorities in Spain to suppress heresy through intimidation and torture?

[The] Spanish Inquisition

### 684 Carbon Conscious

Which major airline announced in September of 2020 its goal to be carbon neutral by 2030?

Delta [Airlines]

### 689 Unique Countries

This country is, on average, approximately 24 times longer than it is wide. Name this coastal country in South America.

Chile

### 685 Flashy Factoids

Despite what it looks like to the observer, what highly charged weather phenomenon often starts from the ground and moves upward into the clouds?

Lightning

### 690 Words to Live By

"The truth is rarely pure and never simple" is a quote from *The Importance of Being Ernest*, which was written by what Irish playwright?

[Oscar] Wilde

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### 691 Episodic Novels

What book by Sandra Cisneros is a series of vignettes that tell the story of 12 year old Esperanza Cordero?

*[The] House on Mango Street*

### 692 Atomic Arrangements

In 1869, Russian chemist Dmitri Mendeleev [de-MEE-tree men-duh-LAY-ev] started developing what chart of all known atoms, arranged by atomic number?

Periodic Table (of the Elements)

### 693 Art Movements

Name the 19th century art movement that focuses on outdoor scenes, uses brush strokes that are evident, and germinates in Paris around artists such as Monet, Manet, Renoir, Degas, and Pissarro.

Impressionism [REJECT Post Impressionism]

### 694 Sandy Sentences

What type of sentence is illustrated in the following example?

Sally sells seashells on the sea shore, which leaves Sally sandy, salty, and sunburned.

Complex [sentence] [REJECT Compound-Complex]

### 695 Alphabet Math

The abscissa and ordinate most commonly take on what 2 letters of the alphabet, respectively?

x and y (in that order -- x is abscissa and y is ordinate)

### 696 Not The Center of the Universe

What 15th century astronomer turned the world upside down when he promoted heliocentrism [hee-lee-oh-SEN-tris-im] - the idea that the Earth orbits the sun, not the other way around?

[Nicolaus] Copernicus

### 697 Who Wrote That?

Who drafted the Declaration of American Independence?

[Thomas] Jefferson

### 698 Environmental Action

Since the 1970s, what toxic element, number 82 on the periodic table, has been removed from gasoline in an effort to reduce environmental pollution?

Lead

### 699 Sport Similarities

The referee signal for travelling in basketball is actually quite similar to what other offensive infraction in football?

False Start

### 700 Freshwater Features

What freshwater lake is the largest on the African continent, as well as the chief reservoir of the Nile River?

[Lake] Victoria OR Victoria Nyanza

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### 701 My Friendly Neighbor

In what poem does Robert Frost cite his neighbor as saying, "Good fences make good neighbors."

"Mending Wall"

### 702 Presidential Firsts

Name the only US president who has served more than two four-year presidential terms.

Franklin [Deleno] Roosevelt OR FDR

### 703 [P&P] Olympic Math

In 1896, the first modern Olympics brought in 241 participants. At the 1996 Olympics—in Atlanta, Georgia—there were 2053 participants. What is the percent increase in participation from 1896 to 1996? Express your answer to the nearest whole percent.

752 [Percent]

### 704 Landforms

A narrow neck of land that connects two larger pieces of land is known by what term?

Isthmus

### 705 [P&P] Vector Addition

Consider an airplane flying due north with a ground speed of 80 kilometers per hour that experiences a strong crosswind blowing at 60 kilometers per hour due east. What will the resultant airspeed of the plane actually be?

100 [kilometers per hour]

### 706 Greek Mythology

What beast of Greek mythology is a fire-breathing female with a lion's head and serpent's tail?

Chimera

### 707 Shady Characters

Which character in the novel *Oliver Twist* is a pickpocket and a leader of a gang of child criminals and is ultimately caught stealing a small silver snuff box and sent to a penal colony in Australia?

[The Artful] Dodger OR Jack Dawkins

### 708 Framework

The human body has how many cervical vertebrae?

7

### 709 Economic Abbreviations

GDP is a measure of an economy's output. What does GDP stand for?

Gross Domestic Product

### 710 Rivers in the Sea

Name the warm ocean current first identified by Benjamin Franklin that flows north along the eastern coast of North America.

Gulf Stream

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## 711 German Vocab

What does the German word "die Sonne" [zɔnə] translate to in English?

---

the sun

## 712 Caution -- Hot!

What type of chemical reaction releases heat?

---

Exothermic [reaction]

## 713 Crowds

Located just east of the Roman Forum and seating 50-80,000 people, what is the name for the grand amphitheater known for hosting gladiatorial contests?

---

The Colosseum OR Flavian [Amphitheater]

## 714 Adapted Melodramas

The most commonly produced melodramatic play during the 1800s was adapted from what famous novel written by Harriet Beecher Stowe?

---

Uncle Tom's Cabin

## 715 Literary Menageries

In *Life of Pi* by Yann Martel, what species of animal is Richard Parker?

---

[Bengal] Tiger

## 716 Lame Ducks

The 20th Amendment moved the date of the presidential inauguration from March 4th to which date?

---

January 20th

## 717 Net Worth

What is the name for a statement of the financial position of a business which describes the assets, liabilities, and owners' equity at a particular point in time?

---

Balance Sheet

## 718 Solar Astronomy

The solar wind is a flow of solar material outwards from the sun into space. It is composed of plasma which is mixture primarily made up of atomic nuclei and what else?

---

Electrons

## 719 Land Grabs

The 2014 annexation of what peninsula by Russia sparked an international crisis that resulted in wide-ranging sanctions?

---

Crimea OR Crimean [Peninsula]

## 720 [P&P] Volume

What is the volume of a cube with sides measuring 11 feet?

---

1331 [cubic feet]

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### 721 Monopoly!

What 1890 US law banned trusts and monopolistic concerns that lessened or otherwise hampered interstate and international trade?

Sherman Antitrust [Act]

### 722 Famous Resignations

The first to do so in over 700 years, who resigned from the papacy in 2013?

Benedict XVI OR [Joseph] Ratzinger

### 723 Death to a Culture

The Incan Empire ended with the arrival of what Spanish conquistador?

[Francisco] Pizarro

### 724 Unusual Characters

In the book *The Outsiders* by S.E. Hinton, who is Sodapop's younger brother?

Ponyboy

### 725 Composers by the Numbers

Which Austrian composer wrote 27 piano concertos, 41 symphonies, and 22 operas, despite only being 35 years old when he died in 1791?

[Wolfgang Amadeus] Mozart

### 726 [P&P] Pizzas

A pizzaiolo has heard that he needs to increase the area of the top of a circular pizza by nine times. By what factor does he need to increase the radius?

3

### 727 Stellar Astronomy

In order for a star to be placed on the main sequence of the HR diagram, what type of fusion must be taking place in its core?

Hydrogen [Fusion]

### 728 [P&P] Nautical and Poetic Math

"Full fathom five thy father lies;" is a line from Shakespeare's *The Tempest*. How many feet are there in a "full fathom five?"

30 [feet] (6 feet in a fathom)

### 729 The Periodic Table

Elements that tend to accept valence electrons to fill out their outer electron orbitals are generally classified as what?

Nonmetals

### 730 Minnesota's Glacial Story

What large glacial lake named after a Swiss/American geologist existed in northwestern Minnesota and southern Manitoba and had a profound effect on Minnesota's current topography?

[Lake] Agassiz

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### 731 Rainbows

Which color of visible light has the lowest energy, lowest frequency and longest wavelength?

---

Red [Light]

### 732 Musical Dedications

The title page of Beethoven's 3rd symphony shows his erasure of dedication to this leader, who eventually declared himself Emperor of France.

---

Napoleon Bonaparte OR Napoleon I [REJECT  
Napoleon III]

### 733 Survival Stories

Which book by Gary Paulsen follows the story of Brian Robeson, a thirteen year old boy who survives on his own with only a hatchet after his plane crashes?

---

Hatchet

### 734 Assassinations

On the Ides of March, in the theater of Pompey, which Roman Ruler was stabbed 23 times?

---

[Julius] Caesar

### 735 Pet Origins

Almost all of what type of common household pet rodent are descended from a single small group captured in Syria in 1930?

---

Hamster[s]

### 736 [P&P] Height Ratios

George is 180 centimeters tall and Martha is 120 centimeters tall. The ratio of George and Martha's heights is equal to the ratio of the heights of John and Abigail. If John is 210 centimeters tall, how tall is Abigail?

---

140 [centimeters]

### 737 Homonyms

What word, when used as a noun, means a lengthy text that you read, but when used as an adjective, can mean not resembling something formerly known or used?

---

novel

### 738 That's A Wrap

Name the holiday celebrated in Commonwealth countries on December 26th.

---

Boxing Day

### 739 Sports Geography

What New York town, located on the shore of Otsego Lake, hosts the National Baseball Hall of Fame?

---

Cooperstown

### 740 Founders

Kemal Atatürk [kuh-MAHL AT-uh-turk] was a military leader and the founding father of what modern republic?

---

Turkey

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### 741 Geological Terms

What kind of continental margin is commonly the site of earthquakes and volcanoes?

Active [continental margin]

### 742 Great Science Fiction

This Tacoma, Washington native created a classic work of science fiction, *Dune*, which remains an important work of science fiction even today. Name him.

[Frank] Herbert

### 743 The Night Sky

To locate Polaris, the north star, in the night sky, you could use the two pole pointing stars located at the end of what circumpolar constellation?

Big Dipper OR Ursa Major

### 744 Atomic Structure

What diagnostic instrument is used to determine the mass number of isotopes in a sample and their percent abundances?

Mass Spectrometer OR Rutherford Backscattering Spectrometer (RBS)

### 745 Philosophic Death

What philosopher was executed in 399 BC after being convicted of impiety and corrupting the minds of the youth of Athens?

Socrates

### 746 Tricky Nicknames

In Homer's *The Odyssey*, what does Odysseus tell Polyphemus [paul-ee-feem-us] his name is?

Nobody [REJECT no one]

### 747 European Capitals

What is the capital of Sweden?

Stockholm

### 748 Official Languages

Only one country in South America has English as its official language. Which one?

Guyana [REJECT French Guiana]

### 749 Probabilities

Probabilities always range between what two values?

0 and 1 OR 0% and 100%

### 750 Measurements

What is the radius of a circle with a diameter of 30?

15

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## 751 Central Banks

What US central bank system was created in 1913?

Federal Reserve OR The Fed

## 752 Coefficients

In the equation  $3x+y$ , what is the coefficient of X?

3

## 753 Taxonomical Takeout

The mushrooms that arrive on your pizza, if you like that sort of thing, belong to what biological kingdom?

Fungi OR Fungus

## 754 Graphic Novels

What graphic novel, created by Art Spiegelman, was the first graphic novel to win a Pulitzer Prize?

*Maus [One]*

## 755 Explosive Song Lyrics

Assuming she isn't actually talking to an explosive device, when Katie Perry belts out the lyrics, "Baby, you're a firework, come on let your colors burst," what literary device is she illustrating?

Metaphor

## 756 French Grammar

Spell the present tense ending for the first-person plural when conjugating regular "-er" verbs in French.

o-n-s

## 757 Immigrants

Immigrants from Wales in the 19th Century settled in the Patagonia region of what South American country?

Argentina

## 758 Differing Amounts

A dozen eggs indicates that there are 12 eggs, whereas a baker's dozen indicates how many eggs?

13

## 759 Famous Polymaths

What Renaissance artist and engineer is perhaps best known for his paintings of the "Mona Lisa" and "The Last Supper"?

[Leonardo] da Vinci

## 760 Basic Chemistry

If you test a solution of baking soda in water, you will find it has a pH of 8.3, meaning it is what kind of chemical compound?

Base OR Basic OR Alkaline

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## 761 Lunar Astronomy

What type of solar eclipse takes place when the moon is too far from earth to completely cover the face of the sun, leaving a ring of light surrounding the face of the moon?

Annular

## 762 [P&P] Biblical Algebra

In the Bible, the cubit is equal to six palms. If Noah's Ark was 300 cubits long, how many palms long was it?

1800 [palms]

## 763 Forward Thinking in Automobiles

What all-electric Chevrolet won Motor Trend's 2017 Car of the Year award?

Bolt [EV]

## 764 Modern Musicals

Winning a total of 11 Tony Awards in 2016, what musical depicts the life of one of America's founding fathers and was written by Lin-Manuel Miranda?

Hamilton

## 765 Spanish Vocabulary

If you are in a house in Spain and you see un horno [oon ORN-o], what room are you most likely in?

The kitchen OR La cocina

## 766 Numbers

In the United States, how many sets of three zeros are in the number 1 trillion?

4 (four)

## 767 Problems and Solutions

Like dominoes, cities, states, and countries across the world implemented varying degrees of social distancing and lockdowns in 2020 in an effort to do what to the curve representing the number of people with COVID-19?

flatten [or equivalent]

## 768 Book Titles

In the United States, J.K. Rowling's debut novel was published as *Harry Potter and the Sorcerer's Stone*, while in the United Kingdom, it was published under what similar title?

*Harry Potter and the Philosopher's Stone*

## 769 Nonsense Poetry

Which nonsense poem by Lewis Carroll begins with the following lines:

"'Twas brillig, and the slithy toves  
Did gyre and gimble in the wabe."

"Jabberwocky"

## 770 Borders with no Boundries

Not actually visible from the moon, this architectural project in China has been in progress since the earliest of dynasties. The most famous of the sections of this structure was build during the Ming Dynasty. What it is and where is it?

Great Wall of China

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## 771 Taxonomy

What is the genus of your housecat, Copper?

Felis

## 776 New York Art Museums

What does the acronym MoMA [MOW mah] stand for?

Museum of Modern Art

## 772 Multitasking

Whereas a modem can only connect one device to the internet at a time, the device able to connect multiple devices to the internet or each other is called a what?

Router

## 777 South Africa

South Africa has three capital cities: Pretoria for the executive branch, Bloemfontein for the judicial branch, and what port city for the legislative branch?

Cape Town

## 773 Games

Originally a celebration of Zeus, what is the name for the series of athletic games that occurs every 4 years and has continued on into modern day?

[The] Olympics OR The Olympic Games

## 778 Reclusive Figures

What non-fiction book by John Krakauer details the 113 days Christopher McCandless spent in the Alaskan wilderness before dying after eating some poisonous seeds?

*Into the Wild*

## 774 A New Take on an Old Term

This term, used popularly in the United States over the last decade to indicate "healthy paranoia, especially about issues of racial and political justice" has its origins in a political movement of young Republicans who organized to end slavery and elect Abraham Lincoln, called the "Wide Awakes." Identify the term.

[Stay] Woke

## 779 Literary Siblings

What is the surname of the sisters at the center of the novel *Pride and Prejudice*?

Bennet

## 775 [P&P] Pythagorean Shortcuts

Instead of going home directly, Khloe walked eight miles west and fifteen miles north. How many miles shorter would it have been if she had gone directly to her destination?

6 [miles] (8+15-17)

## 780 Clouds

What prefix is used in cloud names to describe mid-level clouds forming at altitudes typically between 2000 and 7000 meters?

Alto

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## 781 [P&P] Roman Chronology

Put the following famous Romans in chronological order: Hadrian, Julius Caesar, Romulus

Romulus, Julius Caesar, Hadrian

## 782 Accounting

An accounting method where one records income when payment is received and expenses when payment is made is known as \_\_\_\_\_ basis accounting.

Cash

## 783 Generators

What double membrane bound organelle is often called "the powerhouse of a cell"?

Mitochondria

## 784 Intersecting Tales

The lives of Lucie Manette, Charles Darnay, and Sydney Carton collide in what novel by Charles Dickens?

*A Tale of Two Cities*

## 785 Mountains

Which one of the world's tallest peaks is also known as Mount Godwin-Austen?

K2

## 786 Absolute values

What is the absolute value of negative 21?

21 [REJECT -21]

## 787 World War II

The Manhattan Project led to the development of what weapon?

Atomic Bomb OR Nuclear [Weapon]

## 788 Seasonal Sweets

As specifically as possible, what are the following? Savannah Smiles, Rah-Rah Raisins, Toffee-Tastic, Do-Si-Dos, Trefoils, Samoas, Thin Mints.

Girl Scout Cookies [flavors]

## 789 Satellite Motion

What geometric shape did Johannes Kepler propose in the early 1600s to explain the orbits of the planets about the sun?

Ellipse

## 790 Don't Stop Now

What single word means all of the following? A Chinese abstract strategy board game, another word for "try" or "turn," to move or travel, and what green means.

Go

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## 791 Market Animals

What animal refers to the stock market when stock prices are rising?

Bull

## 792 [P&P] Presidential Chronologies

Put the following three US presidents whose surnames names began with A in chronological order: Chester A. Arthur, John Adams, and John Quincy Adams

(in order) John Adams, John Quincy Adams, Arthur  
(Prompt on Adams without additional identification)

## 793 Underground

Mammoth Cave, the longest known cave system, is found in what country?

United States

## 794 Big Books

Name this document whose name literally means, "recitation" and consists of the divine revelations of Muhammad.

Qu'ran OR Koran

## 795 [P&P] Simple statistics

Find the range for the following set of numbers:  
8, 9, 9, 6, 2

7 (the distance from 2 to 9)

## 796 Poking Parts

What are the modified hairs that protect porcupines called?

Quills

## 797 Mental Blocks

In 1984, computer programmer Alexey Pejtnov [ah-LEX-ee pah-JIT-nov] created what popular video game while working for the Soviet Academy of Sciences?

Tetris

## 798 Dystopian Fiction

Name the "savage" that Bernard and Lenina bring home with them after a trip to the Savage Reservation in New Mexico in Aldous Huxley's novel *Brave New World*.

John

## 799 Unexpected Findings

A discovery at Sutter's Mill in 1848 set off what historic event?

The [California] Gold Rush

## 800 Phase Changes

Frost forming on the windshield of a car parked outside overnight is an example of what water phase change?

Deposition

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### 801 [P&P] An Age-old Problem

On a certain day of the year 2011, I was two more than ten times as old as my son. On the same date in 2020, I was five more than three times as old as him. How old was I on that date in 2011?

32

### 802 Latin Betrayals

Who asks, in his eponymous Shakespeare play, "Et tu, Brute [Broo-tay]?" as he is stabbed to death by compatriots afraid of his growing power?

[Julius] Caesar

### 803 Astrology

Which of the 12 astrological signs of the Zodiac is a crab?

Cancer

### 804 Helpful World Wonders

Which of the ancient wonders of the world functioned to save the lives of sailors?

Lighthouse at Alexandria OR Alexandria Lighthouse (prompt on lighthouse)

### 805 Rolling the Dice

If you throw two unweighted six-sided dice, each of which is numbered 1 to 6, what is the probability, expressed as a fraction, that the sum of the dice is greater than 9?

1/6

### 806 Human Behaviour

What is It is the scientific study of mental processes and behavior?

Psychology

### 807 Chemical Properties

What common triatomic molecule is known as the "universal solvent"?

Water

### 808 Spacecraft

At the end of 2020, what human-made object was located farthest from the earth?

Voyager I [PROMPT on Voyager]

### 809 Taking Responsibility

What American general, and later President, wrote the following words to be read in case the planned D-Day invasion failed? "The troops, the air, and the Navy did all that bravery and devotion to duty could do. If any blame or fault attaches to the attempt it is mine alone."

[Dwight D.] Eisenhower

### 810 Animals as Characters

Set in the Ozarks, this novel features two dogs, Old Dan and Little Ann, and takes a close look at nature and our relationship with animals. Name it.

Where the Red Fern Grows

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### 811 Geographic Terms

What is the term for the point on the Earth's surface precisely opposite a given point?

Antipode

### 816 Costly Mistakes

6.7 million dollars per minute -- that was one estimate for the amount of trade that was held up as a result of a massive container ship blocking what critical maritime waterway in March of 2021?

Suez Canal

### 812 Its a Hit!

One tool used for online marketing is the SEO function which leads to a site appearing higher up the search engine results. What does SEO stand for?

Search Engine Optimization

### 817 Idioms

Someone said to have "two left feet" is said to be bad at what activity?

Dancing

### 813 Buildings

The ferris wheel made its debut at The World's Fair hosted in which American City?

Chicago

### 818 Demise of Empire

The thousand-year-old Byzantine Empire fell with the capturing of what city by the burgeoning Ottoman Empire in 1453?

Constantinople OR Istanbul

### 814 Medical Colloquialisms

"Lockjaw" is the colloquial term for which disease?

Tetanus

### 819 [P&P] Midpoints

What number is halfway between 238 and 456?

347

### 815 Minor Characters

In *To Kill a Mockingbird*, which character leaves gifts for Scout and Jem in the hole of a tree and comes to their defense when they are attacked by Bob Ewell at the end of the novel?

[Arthur] Boo Radley

### 820 Night Sky

In 2020, what large red supergiant star located in the constellation Orion suddenly began brightening again?

Betelgeuse

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### 821 [P&P] Presidential Chronologies

Put the following three US presidents whose surnames names began with B in chronological order: George H. W. Bush, George W. Bush, James Buchanan

(In order) Buchanan, GHW Bush, GW Bush  
PROMPT on Bush w/o middle initial(s)

### 822 The English Ways

Pocahontas, who changed her name to Rebecca, married whom when she was 17?

John Rolfe [REJECT John Smith]

### 823 [P&P] Algebra

When  $x = 2$  and  $y = 4$ , what is the value of  $3x$  squared minus  $2y$ ?

4

### 824 Angry Fathers

Who was the father of Polyphemus, the cyclops blinded by Odysseus in *The Odyssey*?

Poseidon [REJECT Neptune]

### 825 Sentence Parts

Name the part of a sentence that includes the verb and any additional information about the subject.

[Complete] Predicate

### 826 Sweet Energy

The chemical formula  $C_6H_{12}O_6$  [C six H twelve O six] refers to what basic fuel of most human cells?

Glucose OR Sugar [REJECT Sucrose]

### 827 How did he do it?

As of January 1, 2020, the world's richest man was the CEO of what company?

Amazon

### 828 Physics

What theoretical framework is based on replacing the point-like particles of particle physics with one-dimensional fibrous objects that propagate through space?

String Theory

### 829 Celebrations

Celebrating the Rapanui [rah-puh noo-ee] people, The Tapati [tah-paht-ee] Festival is held every February on what remote Chilean island known for its Moai [moh-EYE] statues?

Easter [Island]

### 830 Football Calls

A lot of emotion is usually expressed by the fans at a football game when a ref signals what call by bending one arm to form a triangle with his fist pointed at his head?

Targeting OR Spearing

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### 831 In the news

COVID is an acronym. What does it stand for?

COrona VIrus Disease

### 832 Average Autocrats

What general, who was NOT shorter than average for his day, declared himself Emperor of France in 1804?

Napoleon [Bonaparte]

### 833 Coastal Plains

The western coastal plains in South America are trapped between the Peru Current and what mountain range to the east?

Andes [Mountains]

### 834 [P&P] William Tell Calculations

William Tell spots a squirrel for his dinner in a nearby tree. William estimates that the tree is 64 feet away, and that the squirrel is sitting on a branch 48 feet in the air. Since William never misses a shot, approximately how many feet will his crossbow bolt travel before securing his dinner?

80 [feet]

### 835 What Day Is it?

Answer in Spanish please. In the Spanish language, what day comes after el domingo [doh-MEEN-go]?

[el] lunes

### 836 Modifiers

The prepositional phrase modifies which word in the following sentence.

Unlike all the times before, this time I chose to ignore the butterflies in my stomach.

Butterflies

### 837 Literary Influences

The heavy influence of Arabic terms is quite obvious in what pillar of science fiction, written by Frank Herbert in 1965?

Dune

### 838 Invaders

What group of people began raiding the eastern coast of England around 793?

Vikings

### 839 Seeing in Grayscale

What 20th century American landscape photographer was best known for his black-and-white technique?

[Ansel] Adams

### 840 Interplanetary Travel

Who founded the private aerospace company, SpaceX?

Elon Musk [REJECT Jeff Bezos]

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### 841 [P&P] Camping Combinations

202 people went on an overnight camping trip taking 60 tents. Some tents held 2 people each and the rest held four people each. All tents were filled to capacity and everyone got to sleep in a tent. How many two-person tents were there?

19

### 842 Clever Disguises

What tactic do organisms use to disguise their appearance and blend into their surroundings?

Camouflage OR Cryptic coloration

### 843 Middle School Literature

What book by Gary Schmidt is set during the Vietnam War and features Holling Hoodhood, a middle school student who studies Shakespeare every Wednesday afternoon with his teacher, Mrs. Baker?

[The] Wednesday Wars

### 844 Second in Command

Who served as Donald Trump's Vice-President during the 2016-2020 term of office?

[Michael Richard] Pence OR [Mike] Pence

### 845 Islands

What island, whose land is divided between two countries, is the second-largest island in the world?

New Guinea [REJECT Papua New Guinea]

### 846 Memorable Moments in Poetry

Which poet claims to have taken the path "less traveled by, and that has made all the difference"?

[Robert] Frost

### 847 Solutions

What is the process called when water is added to a more concentrated stock solution so as to produce a solution with a lower molarity?

Dilution

### 848 Ancient Leaders

Pericles was a leader during the golden age of what ancient city?

Athens

### 849 Can You Hear Me?

Before we had telephones, what technology using Morse code united the world when a line was laid across the Atlantic in 1866?

[Electrical] Telegraph[y]

### 850 Musical Transpositions

What musical transports the story of *Romeo and Juliet* to New York City immigrant communities in the 50s?

West Side Story

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### 851 Movie Styles

What style of film is often based off of old Sanskrit dramas, includes lengthy song and dance routines, and has its production hub in Mumbai, India?

---

Bollywood

### 852 [P&P] Math under Pressure

The deepest part of the ocean is the Challenger Deep. It is 35,814 feet below the surface of the ocean. Rounding to the nearest mile, how many miles down is that?

---

7 [miles]

### 853 Regal Families

Marie Antoinette, wife of Louis XVI and queen of France, was born into what influential Austrian royal family?

---

Habsburg OR Habsburg-Lorraine

### 854 Dystopian Literature

In what novel is Winston Smith tortured in Room 101, resulting in his complete submission to Big Brother by the end of the novel?

---

1984

### 855 Dividing Highways

US Interstate 35 splits into East and West branches at two city pairs: Minneapolis and St Paul, and what Texas pair?

---

Dallas and Fort Worth

### 856 Poetic Odd Balls

This American poet was known as a recluse who dressed all in white and published very few poems during her lifetime. She is best known for unusual meter and rhyme. Name her.

---

[Emily] Dickinson

### 857 Mayo and Miracle Whip

What type of colloid forms if a liquid is dispersed in another liquid? Mayonnaise is an example.

---

Emulsion

### 858 Animal Vocabulary

The adjective "lupine" [loo-pahyn] means pertaining to or resembling what animal?

---

A Wolf OR Wolves

### 859 Right Place, Wrong Time

In what city did Breonna Taylor die during a police raid in the spring of 2020?

---

Louisville[, Kentucky]

### 860 Let Them Be Free

In contrast to micromanagement where managers closely observe and control the works of their employees, this type of management allows more independence within the management of an organization.

---

Macromanagement

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### 861 Beginnings

What term, from the Greek meaning “speaking before,” is used for the introductory section of a literary or musical work?

Prologue [REJECT Prelude (from Latin and French, not Greek)]

### 862 Fizz Quiz

When you pop the tab on a soda, pressure is released, and bubbles of what gas start to leave the solution?

Carbon dioxide OR CO<sub>2</sub>

### 863 [P&P] Egyptian chronology

Put the following Egyptian events in order from earliest to latest: (A) The burial of Tutankhamen in the Valley of the Kings, (B) the conquest of Egypt by Alexander the Great, (C) the building of the pyramids at Giza.

C (Pyramids), A (Tutankhamen), B (Alexander the Great) (accept any appropriate abbreviations)

### 864 [P&P] Distance problems

Eric and Isiah need to get together to do a group project for school. Eric and Isiah live 10 miles apart. Eric bikes towards Isiah's house at 8 miles per hour, and Isiah walks towards Eric's house at 4 miles per hour. Expressed as a mixed number in lowest terms, how many miles from Isiah's house do they meet?

3 1/3 [miles] [REJECT 10/3 OR 3.33]

### 865 Unique Festivals

The Festival of San Fermin in Spain is most known for what activity involving animals?

Running of the Bulls OR Bull Fighting

### 866 Allegorical Novels

In the novel *Animal Farm* by George Orwell, what type of animal is Boxer?

Horse [REJECT Donkey]

### 867 It's Not All There

An organism that lacks a cell nucleus is classified as what?

Prokaryote OR Procaryotic

### 868 Let's Fly

Many consider this ride to have been the first flying theater. It opened in February 8, 2001. It runs on a mechanical lift system, a projected presentation on an 80 ft concave 180-degree dome screen, artificial scents and wind. Name this ride created by Disney.

Soaring over California OR Soarin'

### 869 Northern Ecosystems

What biome is best exemplified by the treeless Siberian areas of Russia, characterized by small shrubs, lichens, and mosses?

Tundra

### 870 Historical Hate Groups

In 1867, former Confederate general Nathan Bedford Forrest was elected first Grand Wizard of what white supremacist group?

Ku Klux Klan OR KKK

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### 871 Presidential Quotes

The following statement by Franklin D. Roosevelt was made in support of what 1941 policy that permitted the United States to send wartime supplies to Great Britain: "We must be the great arsenal of democracy."

Lend-lease Act OR Lend-lease policy

### 872 Name Names

He was the husband of Anne Hathaway. He was born and died in the same town, Stratford-Upon-Avon. He is known as the "Bard of Avon." What English poet do these facts describe?

[William] Shakespeare

### 873 Geographical Regions

Home to the largest ice fields in the southern hemisphere outside of Antarctica, this region is, in large part, made up of steppe-like plains that rise in a succession of 13 abrupt terraces. Name this region shared by Argentina and Chile?

Patagonia

### 874 [P&P] Probabilities

In an animal shelter with 24 orange tabbies and 12 black cats, in lowest terms, what is the fractional probability that you receive a black cat if you ask the shelter worker to pick a cat at random?

1/3

### 875 Chemical Reactions

A compound breaking down into two or more substances is an example of what kind of chemical reaction?

Decomposition [reaction]

### 876 Auspicious Years

Singapore saw a spike of births in 2013 because, according to the Chinese Zodiac, babies born in this year were likely to have desirable qualities. By what animal's name is this desirable birth year known?

[The year of the] Dragon

### 877 Navigation Networks

Your cell phone's GPS receiver determines your location through contact with multiple satellites now operated by the U.S. Space Force. What does GPS stand for?

Global Positioning System

### 878 Criminals

Currently in an American prison, Mexican drug cartel leader Joaquin [wa KEEN] Guzman [gooz MAWN] is known by what nickname?

El Chapo

### 879 Spooky Sentences

Classify the following sentence according to its structure:  
Hopping onto her broom, the witch cackled and raced off into the night.

Simple [Sentence]

### 880 Paying the Bills

What accounting term is used to describe a company's ability to pay its bills when they come due?

Solvency OR Liquidity

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### 881 Powerful Names

What Scottish inventor, known mostly for his work on steam engines, lent his name to the SI unit for power?

[James] Watt

### 882 Government Jobs

The failed 2012 Republican nominee for Vice President successfully became Speaker of the House in October 2015. Name him.

[Paul] Ryan

### 883 Slopes

What term refers to the slope of a stream channel that is expressed as the vertical drop of the stream over a specified distance?

[Stream] Gradient

### 884 Damsels in distress

Who was reportedly the most beautiful woman in the world whose abduction reportedly caused the Trojan War?

Helen of Troy OR Helen of Sparta

### 885 French Vocab

How would one indicate "myself" in French?

Moi-même [mwah-mem]

### 886 Monstrous Characters

Name the character created by Mary Shelley who creates a monster from the body parts of corpses.

[Victor] Frankenstein

### 887 [P&P] Roots and Exponents

Simplify the cubic root of  $y$  to the 27th.

$y$  to the 9th

### 888 Everyday Words

Consider the following sentence: "When passing through the park, I often see a gaggle of geese near the pond and a bunch of people feeding the ducks."

In this sentence, 'gaggle' and 'bunch' are examples of what class of common noun?

Collective [noun]

### 889 Baseball Geography

What river flows past the homes of Major League Baseball's Twins and Cardinals?

Mississippi [River]

### 890 What's In a Name?

In our species' biological name, *Homo sapiens*, "Homo" indicates what subdivision of taxonomic rank?

Genus

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### 891 Art Connections

*The Night Watch* is to Rembrandt as *Girl With Pearl Earring* is to whom?

[Johannes] Vermeer

### 892 [P&P] Political Math

What number results from the following mathematical instructions? Take the number of senators in the U.S. Senate, divide this by the number of years in a single U.S. presidential term, and add the number of U.S. constitutional amendments to the result.

52

### 893 Explorers

After killing two men, he was banished for three years. He used that time to explore what is now Greenland. Name him.

Erik the Red OR Erik Thorvaldsson

### 894 Balance Sheets

Items of value that are owned by a business are called what?

Assets

### 895 19th Century Hobgoblins

In what essay by Ralph Waldo Emerson does he state that "A foolish consistency is the hobgoblin of little minds, adored by little statesmen and philosophers and divines"?

"Self-Reliance"

### 896 Natural Disasters

What is the name of the hurricane that devastated the Bahamas in 2019, acquiring the title of the country's worst natural disaster on record?

[Hurricane] Dorian

### 897 Reading Lists

The first five books of the Judeo-Christian Bible are collectively called the what?

The Pentateuch OR Torah OR Books of Moses  
[REJECT Genesis, Exodus, Leviticus, Numbers, and Deuteronomy.]

### 898 Original Titles

This novel by Ray Bradbury was originally half the length and titled *The Fireman*. What title was this dystopian novel published under in 1953?

*Fahrenheit 451*

### 899 Space Exploration

The 2003 breakup and subsequent loss of the entire crew of what Shuttle Orbiter remains America's most significant accident above the stratosphere.

Columbia

### 900 Landforms

The limestone sinkholes known as cenotes [sen-O-tays] are features of the Yucatan Peninsula in what North American country?

Mexico

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## 901 Shots Heard Round the World

The assassination of what Austrian archduke is credited with starting the First World War?

[Franz] Ferdinand

## 902 Shakespearean Math

How many acts are there in each and every Shakespeare play?

5

## 903 Brainy Antagonists

In *A Wrinkle in Time*, what is the name for the brain shaped being that possesses Charles Wallace and is referred to as the source of all evil?

IT

## 904 National Anthems

In what 1981 rock song did the band "Journey" tell the stories of a "small town girl, livin' in a lonely world" and a "city boy, born and raised in South Detroit"?

"Don't Stop Believin'" [accept "Don't Stop Believing"]

## 905 Energy

How much energy is required to heat one gram of water 1 degree Celsius, in calories?

One [REJECT 4.1868 Joules]

## 906 Lesser Known Accomplishments

Abraham Lincoln founded which department that does work on farming, forestry, rural economic development, and food? Today this agency spends the majority of its budget on food and nutrition.

USDA OR United States Department of Agriculture

## 907 Large Creatures

The Orinoco crocodile, which can grow to over 20 feet long, is native to which continent?

South America

## 908 Not a Hashtag

It is not a chance occurrence that the sharp and flat signs accompanying musical notes are called what?

Accidental(s)

## 909 Greek Math

What greek letter is used to denote the constant which is the ratio of a circle's circumference to its diameter?

pi [pie]

## 910 Internet Lingo

In a website address, "html" [say each letter] stands for what?

Hypertext Markup Language

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### 911 [P&P] Diagonals

A rectangular pasture is 300 yards long and 400 yards wide. What is the diagonal distance across the pasture?

500 [yards]

### 912 Hymns

"A Mighty Fortress is Our God" is a protestant hymn famously composed by which religious reformer in 1529?

Martin Luther

### 913 Government

What was the dominant societal structure in Medieval Europe, where serfs were bound to work land held by vassals that gave military or other service to lords?

Feudalism

### 914 Dystopian Fiction

In the book *Divergent*, what faction does the main character, Tris, join?

Dauntless

### 915 Unbreakable Laws

Which law of thermodynamics states that, in a closed system, the total entropy of the system always increases over time?

Second

### 916 Short on Time

Give the name of the month in Spanish that contains the shortest day of the year for those living in the northern hemisphere.

Diciembre [Dee-cee-EHM-bray] [REJECT  
December pronounced in English]

### 917 Jewish Traditions

Literally meaning "daughter of commandment" in Hebrew, the Jewish coming of age ceremony for girls is commonly called what?

Bat Mitzvah [REJECT Bar Mitzvah]

### 918 School Poems

In his "Theme for English B," what poet reckons that "I guess you learn from me—although you're older—and white—and somewhat more free"?

[Langston] Hughes

### 919 Moons

In 1877, American astronomer Asaph Hall discovered the moons of Mars, named Deimos and what?

Phobos

### 920 Safari Adventures

Having vast wildlife reserves brings in many international tourists to what east African country whose capital is Nairobi?

Kenya

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### 921 Fires

A massive forest fire in 1988 consumed more than 1/3 of what US National Park?

---

Yellowstone

### 922 Leading Women

What two books of the King James Bible are named for women?

---

Ruth and Esther [REJECT Judith -- Only in the Roman Catholic Bible]

### 923 [P&P] Algebraic Principles

What algebraic property is expressed as the following?  $a$  times the quantity  $b$  plus  $c$  end quantity equals  $ab$  plus  $ac$

---

Distributive [property/law]

### 924 Shapes

What is the name for a polyhedron with twelve faces?

---

Dodecahedron [REJECT Dodecagon]

### 925 Blow the Whistle, Ref!

In basketball, grabbing the ball with both hands between dribbles will result in what violation?

---

Double dribble

### 926 South Africa

What is the title of Nelson Mandela's autobiography?

---

Long Walk to Freedom

### 927 Fall weather

When cooler weather prevails, what category of trees and shrubs shed their leaves?

---

Deciduous

### 928 Historical Astronomy

What German mathematician's 1st law of planetary motion states that planets orbit the sun in elliptical paths, not circular paths.

---

[Johannes] Kepler

### 929 Ancient Architecture

The Acropolis was a temple complex at the heart of what ancient city?

---

Athens

### 930 Christmas Stories

In the O. Henry story, "The Gift of the Magi," what does Della sell in order to buy Jim a gold pocket chain?

---

Her hair

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### 931 Scales

The negative logarithm of the hydrogen ion concentration in a given solution forms what scale ranging from 0-14?

pH [scale]

### 932 What Women Know

Which author and poet knows why the caged bird sings?

[Maya] Angelou

### 933 Baseball and Orienteering

When discussing points on a compass, this word precedes 'directions' when describing north, south, east, and west. The singular form of this word is also the team name for the Major League Baseball team based out of St. Louis, Missouri. What is the word?

Cardinal [REJECT Cardinals]

### 934 Not Without Permission

The protection of a creative work from unauthorized use is called what?

Copyright

### 935 American Wars

Who was the king of England during the American Revolution?

King George III (PROMPT on King George OR The Mad King)

### 936 [P&P] Declining Values

A company purchases a machine valued at \$150,000. If the machine depreciates at \$8,000 per year, how much will the machine be worth after 10 years?

\$70,000

### 937 Catching Poor Grammar

In J.D. Salinger's *Catcher in the Rye*, Holden laments that he doesn't like people who use the phrase "between him and I." What should they say instead to be grammatically correct?

between him and me

### 938 Geography

Molson, Franklin, Govan, and Monte Cristo are all ghost towns in what state?

Washington

### 939 Famous Routes

What is the name for the series of trade routes that connected Europe to Asia from the 2nd to the 18th centuries?

The Silk Road

### 940 Prophet, Seer, and Revelator

Religious leader Thomas S. Monson served as the 16th president of which church?

The Church of Jesus Christ of Latter-day Saints OR The LDS [Church] OR Mormon [Church]

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### 941 Invasions

Operation "Just Cause" was the name for the US invasion of what Central American country in 1989?

Panama

### 942 Planar Shapes

What is the name for a triangle whose angles all measure less than 90 degrees?

Acute [triangle]

### 943 Subatomic Particles

The number of which type of subatomic particle cannot be determined by knowing an element's atomic number?

Neutrons

### 944 Native American Folklore

Give the name for the ancestral spirit beings who interact with humans. The Pueblo people represent them in the physical form of carved wooden dolls.

Kachina[s]

### 945 [P&P] Punctuation

How many commas are needed in the following sentence?

When Cupid saw Psyche he pricked himself with his own arrow and he couldn't help falling in love with her.

Two

### 946 Significant Sequences

What is the next name in this sequence?

Washington, Jefferson, Lincoln, Hamilton, Jackson, Grant...

[Benjamin] Franklin (faces on paper money)

### 947 [P&P] Who Came First?

Arrange the following siblings created by C.S. Lewis in order from oldest to youngest: Susan, Lucy, Edmund, Peter.

Peter, Susan, Edmund, Lucy

### 948 Electromagnetic Spectrum

Greenhouse gases are particularly efficient at absorbing what type of electromagnetic radiation?

Infrared

### 949 Abbreviations

What does the D stand for in CDC, the institute under the HHS headquartered in Atlanta?

Disease

### 950 [P&P] Fraction Math

In lowest terms, what is the sum of 3 and one fourth and 8 and one sixth.

11 and five twelfths

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### 951 Cold War Competition

The Soviet Union launched what unmanned orbiting satellite, the first ever, in October 1957?

Sputnik [1]

### 956 American Literature

What American novel, published in 1876, contains the following characters?

Aunt Polly  
Becky  
Muff Potter  
Injun Joe  
Huck  
Tom

*The Adventures of Tom Sawyer*

### 952 Organs

The human appendix may play a useful role in repopulating the intestines with beneficial bacteria after an infection. If it isn't a useless evolutionary holdover, the appendix would no longer be considered what type of organ?

Vestigial

### 957 Historical Markers

The history of modern England is generally considered to have started with the victory of William the Conqueror at what battle in 1066 AD?

[Battle of] Hastings

### 953 Fascinating Disparities

In June, the average ocean temperature in California's San Francisco Bay is 57 degrees Fahrenheit while the average ocean temperature in Virginia's Chesapeake Bay is 72 degrees Fahrenheit despite being at similar latitudes. This phenomenon is a result of ocean currents driven by what effect that arises from the rotation of the earth?

Coriolis [Effect]

### 958 Famous Tweets

Spell the 7 letter non-word that quickly became viral when it was tweeted by President Trump in May 2017.

covfefe [C-O-V-F-E-F-E]

### 954 [P&P] Angle Math

Considering the primary categories of mathematical angles, an angle of 135 degrees would be categorized as what kind of angle?

Obtuse [angle]

### 959 Innovations that Fail

Which mural by Leonardo DaVinci began to peel off the wall within months of him finishing it because he used a new fresco formula of his own design?

*[The] Last Supper*

### 955 Name that Architecture!

It was the tallest structure in the world (surpassing the Washington Monument) when it was built and remained so for almost forty years. Its lattice structure is so efficient that if the iron forming it were melted down, it would fill the square base to a depth of only 2.5 inches. Name it.

Eiffel Tower

### 960 [P&P] Milage math

The 2020 BMW i8 Roadster gets 36 miles per gallon. If you drive this sports car from San Francisco to New York (3000 miles) and gas costs \$3.00 per gallon, to the nearest dollar, how much will you spend on gas?

\$250

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### 961 Dramatic Settings

Which city in Ancient Greece provided the backdrop for many tragic dramas, including *Antigone* and *Oedipus Rex*?

---

Thebes

### 962 Break It Up

What mineral property describes a sample's tendency to break along planes of weak bonding in the crystal structure?

---

Cleavage

### 963 Opium Wars Fallout

Following the First Opium War, the Treaty of Nanking forced China to cede what territory to British Rule?

---

Hong Kong

### 964 Sheep by any other Name

What word is specific to female sheep?

---

Ewe

### 965 Magic Mountain

What was the name of the mountain upon which the ancient Greek pantheon of gods lived?

---

[Mount] Olympus [REJECT Olympia]

### 966 Fictional Book Lovers

Name the young orphan in *The Book Thief* who grows to love books so much that she rescues one from a Nazi bonfire.

---

Liesel

### 967 [P&P] Relative Heights

Ben is 200 centimeters tall and Anna is 160 centimeters tall. The ratio of Ben and Anna's heights is equal to the ratio of the heights of Marcus and Hallie. If Hallie is 120 centimeters tall, how tall is Marcus in centimeters?

---

150 [centimeters]

### 968 Thinking about Sinking

The sinking of the USS Maine and Yellow Journalism are associated with what war?

---

Spanish-American [War]

### 969 Elements

What gas has 5 valence electrons and is the principle component of the air we breathe?

---

Nitrogen

### 970 Imperative Words

What English word corresponds to the German "schnell" and the French "vite" [veet]?

---

fast OR quick[ly] (or similar)

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### 971 Matter

What type of mixture is described as a combination of two or more substances that include at least one substance being dissolved in another?

Solution

### 972 It's My Turn

In William Golding's *Lord of the Flies*, what item do the boys pass around in the beginning to indicate whose turn it is to talk?

Conch [shell]

### 973 [P&P] Candy Store Calculations

If a small box of candy holds 20 pieces, a medium box holds 40 pieces, and a large box holds 75 pieces, and the small box costs 2 dollars, the medium box costs 4 dollars, 50 cents, and the large box costs 8 dollars, which box should you select if you want to pay the lowest price per piece?

Small [box]

### 974 International Travel

What is the term for the price of one currency in terms of another?

Exchange Rate

### 975 Gods and goddesses

Who is the ancient Egyptian god of embalming and protector of the dead represented by a man with a jackal's head?

Anubis

### 976 Media and Politics

What social media site announced in November 2019 that it would ban all advertising from political candidates?

Twitter

### 977 Solar Astronomy

Which layer of the sun is responsible for well over 99.9 % of the visible light reaching earth's surface?

Photosphere

### 978 [P&P] Fun with Words

Complete the following palindrome:

No, it is open on one...

position

### 979 Mountains

What highest mountain in Washington state was designated as a National Park in 1899?

Mount Rainier

### 980 Friendly Giants

Standing 17 feet tall and packing a sling with a rock inside, this massive figure of David has yet to slay Goliath. Who created this sculpture that now stands in the Academy in Florence?

Michaelangelo

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## 981 Moody Music

When Simon and Garfunkel croon out the famous lines, "I am a rock, I am an island," what literary device are they repeatedly demonstrating?

Metaphor

## 982 Stamp Collectors

What is the term for an officer charged under civil law with serving the public by administering oaths, witnessing and authenticating signing of documents, taking affidavits, and other official acts?

Notary public (PROMPT on Notary) [REJECT Civil-law notary]

## 983 Floating Fundamentals

One vital characteristic of water that has allowed life to evolve on Earth is that, in its solid form, water is less what when compared to its liquid form?

Dense

## 984 Flights of Imagination

What play by J.M. Barrie has the subtitle *The Boy Who Wouldn't Grow Up*?

Peter Pan

## 985 Desert Superlatives

While the Atacama desert is one of the driest deserts in the world, which desert, in fact, contains the driest place on earth?

Antarctica OR Antarctic Polar Desert

## 986 Sculptors

What French sculptor is known for his creations *The Age of Bronze*, *The Walking Man*, *The Burghers of Calais* [BUR-gurs of cah-LAY], and *The Thinker*?

[Auguste] Rodin

## 987 Babylonian Beads

What ancient device, the name of which is derived from a Hebrew word meaning "to wipe the sand," was used to do calculations by sliding counter beads along a frame?

Abacus

## 988 [P&P] Equations

Solve for X:  $3x+7=28$

x=7

## 989 Sticking Your Neck Out

Name the smaller of the two domesticated lamoids [LAM-oyds], a member of the camel family, and native to South America.

Alpaca [REJECT Llama]

## 990 [P&P] Presidential Chronology

Put the following three US presidents whose surnames names began with M in chronological order: James Madison, James Monroe, William McKinley.

(In order) Madison, Monroe, McKinley

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### 991 Periodic relationships

What does the atomic number of an element correspond to?

The number of protons [in the nucleus]

### 992 Unusual Serums

In the novella by Robert Louis Stevenson, who does Dr. Edward Jekyll become when he takes the special serum he made?

[Mr. Edward] Hyde

### 993 Historic Sites

The Cahokia Mounds State Historic Site is located adjacent to what Midwestern US River?

Mississippi [River]

### 994 [P&P] Measurements

What is the height of a trapezoid with an area of 30 square feet, and bases measuring 4 feet and 2 feet?

10 [feet]

### 995 No Retreat, No Surrender

What Greek city-state sent only 300 warriors to Thermopylae [therm-OP-uh-lee] to face down the 100,000-strong Persian army under Xerxes [ZERK-sees]?

Sparta

### 996 Exclamations Condensed

What is the character limit for making a Tweet on Twitter?

140 OR 280

### 997 A Giant Leap For Mankind

Shortly after landing on the surface of the moon, Neil Armstrong and Buzz Aldrin spoke to what President calling by telephone from the Oval Office?

[Richard] Nixon

### 998 Colorful Compositions

What is the color mentioned in the title of Johann Strauss's famous 1866 waltz honoring the Danube River?

Blue

### 999 Pandemics

Beginning in late 2019, which country became the epicenter of an outbreak of novel Coronavirus?

China

### 1000 Interesting Sounds

The following words are examples of what literary device?

Crunch  
Zap  
Tick-tock  
Whoosh

Onomatopoeia

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### 1001 World War II

During World War II, 400 to 500 Navajo, Comanche, Hopi, and other indigenous people transmitted secret tactical messages for the US Marine Corps. Give the term for a person employed by the military to use a little-known language as a means of clandestine communication.

Code Talker

### 1002 Natural Imitators

What did George de Mestral invent after removing burs from his clothing?

velcro OR hook and loop fasteners

### 1003 Lakes

What lake borders New Orleans to the north?

Lake Pontchartrain

### 1004 Generals

What Frenchman was commissioned as a major-general in the continental army and played a major role in the United States Revolutionary War?

[The Marquis de] Lafayette

### 1005 Historic Islands

Located 1,000 miles off the coast of Africa, the British island territory of St. Helena was used as the final prison for what famous French general?

Napoleon I OR Napoleon Bonaparte [REJECT  
Napoleon III]

### 1006 From Book to Film

Name the famous historical epic romance novel by Margaret Mitchell which published in 1936, later adapted into a movie?

*Gone With The Wind*

### 1007 Shaking Up Our World

A series of earthquakes since the 1990s suggest that an area east of the Sierra Nevada called Walker Lane may be taking over as the boundary between the Pacific and North American plates. The boundary used to be what more famous fault?

San Andreas

### 1008 Tragic Romances

Which novel by John Green features the characters Hazel and Augustus, two cancer patients who fall in love?

*The Fault in our Stars*

### 1009 US Rivers

The US Army Corps of Engineers' Old River Control Structure, located above Baton Rouge, prevents what major river from changing its course and draining through the Atchafalaya [uh-chaf-uh-LIE-uh] River?

Mississippi [River]

### 1010 Plate Tectonics

Beginning in 1963, a volcanic eruption created an island now known as Surtsey just south of Iceland. This eruption occurred above what boundary between the North American and Eurasian Plates?

Mid-Atlantic Ridge

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### 1011 Trials in Literature

*Inherit the Wind* is loosely based on what 1925 trial regarding the prohibition of teaching evolution in state-funded schools?

Scopes "Monkey" Trial OR Scopes Trial OR State of Tennessee v. Scopes [REJECT "Monkey" Trial]

### 1012 Rejected Theories

Known for many things, what famous scientist was primarily known for his pioneering efforts in meteorology and polar research while he was alive but is now most famous for his theory concerning continental drift?

[Alfred] Wegener

### 1013 History of Evolution

What ship famously carried Charles Darwin to the Galapagos Islands?

HMS Beagle OR The Beagle

### 1014 Animal Literature

In *Where the Red Fern Grows*, Billy trains two of what type of animal?

[Redbone Coonhound hunting] dogs

### 1015 Lakes

Gatun [gah-TOON] Lake, the largest artificial lake in the world when it was fully filled in 1913, makes up a major portion of what canal?

Panama [Canal]

### 1016 Creating Childhood Memories

What British writer created the famous character of Peter Rabbit and his friends and adversaries?

[Beatrix] Potter

### 1017 Bays

Biscayne Bay and the Bay of Biscay sit on opposite sides of what ocean?

Atlantic [Ocean]

### 1018 Moon missions

What was the name of the first manned mission to land on the moon?

Apollo 11

### 1019 Hockey Geography

Prior to luring the Avalanche to Denver, Colorado was previously home to another National Hockey League team in the 1970s with what name, reminiscent of a current team for a different pro sport?

Rockies

### 1020 Written in Stone

These words are inscribed on the pedestal of what statue?  
 "Keep, ancient lands, your storied pomp!" cries she  
 With silent lips. "Give me your tired, your poor,  
 Your huddled masses yearning to breathe free,  
 The wretched refuse of your teeming shore.  
 Send these, the homeless, tempest-tost to me,  
 I lift my lamp beside the golden door!"  
 The Statue of Liberty [Enlightening the World]

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## 1021 National Anthems

Francis Scott Key wrote the anthem of what nation during the bombardment of Ft. McHenry during the war of 1812?

The United States [of America] OR America

## 1022 National Symbols

A national symbol in both Argentina and Uruguay, what legendary figures were known for their rogue husbandry skills as they hunted large herds of escaped horses and cattle scattered across the Pampas?

Gaucha[s]

## 1023 Introductory Lines

These words begin the introduction to what document?

"When in the Course of human events it becomes necessary for one people to dissolve the political bands which have connected them with another..."

*The Declaration of Independence*

## 1024 Weather

The high tides known as acqua alta cause regular flooding in what historic Italian maritime city?

Venice

## 1025 Dogs Rule!

In what novel by Jack London does Buck, a gentle family dog, get dog-napped to become a sledding dog in the Yukon?

*Call of the Wild*

## 1026 20th Century World History

What year did the Berlin Wall "fall"?

1989

## 1027 US Rivers

What major western US river drains into the Gulf of California?

Colorado River

## 1028 Founding Fathers

Who is credited with writing the *Tao Te Jing* [Dao Day Ching] and in doing so, founding Taoism [dow-ism]?

Laozi OR Lao-tze OR Lao Tsu

## 1029 North American Landforms

Massachusetts' Cape Cod was formed by a terminal moraine, the deposition of material at the head of what kind of massive body of ice?

Glacier

## 1030 Economic Portmanteaus

In the late 1970s, the United States experienced a high level of inflation AND unemployment, an economic condition referred to by what portmanteau [port-man-tow]?

Stagflation

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### 1031 Island Giants

What volcanic archipelago sits off the coast of Ecuador and is known for its namesake tortoises?

Galápagos Islands

### 1032 American Literature

What Mexican-American author wrote *The House on Mango Street*?

[Sandra] Cisneros

### 1033 Ships

Specialized freighters known as "Lakers" ply the Great Lakes, transporting the ore of what metal from the Mesabi Range in Minnesota to steel mills in Cleveland and Detroit?

Iron

### 1034 Allegories

Napoleon, Old Major, and Snowball are all what type of animal in George Orwell's *Animal Farm*?

Pig

### 1035 Failure

The Snake River Canyon in Idaho was the site of an unsuccessful jump attempt using a steam-powered rocket in 1974, piloted by what famed daredevil?

Evel Knievel

### 1036 American Novelists

What American novelist, according to an apocryphal story, was described by Abraham Lincoln as "the little woman who wrote the book that started this great war"?

[Harriet Beecher] Stowe

### 1037 World Religions

What religion, whose name can be directly translated to "The Way of the Gods" was the state religion of Japan from 1872 to 1945?

Shinto OR Shintoism

### 1038 Non-Fiction

This abolitionist was an escaped slave who described teaching himself to write by bribing the neighborhood children in his published memoir, "The Narrative of the Life of \_\_\_\_\_ [blank], an American Slave."

Frederick Douglass

### 1039 All Things Liquid

What Greek philosopher stated that an immersed object is buoyed up by a force equal to the weight of the fluid it displaces?

Archimedes

### 1040 Record Temperatures

What location in the United States experienced a record-setting temperature of 130 degrees in the summer of 2020?

Death Valley OR Furnace Creek [Ranch]

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## 1041 Sorry Not Sorry

What is the title of Plato's work in which he tells the story of the trial of Socrates for the alleged crimes of impiety and corrupting the youth of Athens?

[The] Apology [of Socrates]

## 1042 Things That Go Boom

What volcanic eruption of 1883 was so powerful that it was heard 2800 miles away, and left 34,000 people dead?

Krakatau OR Krakatoa

## 1043 Political Literature

Who penned the following works?  
*Politics and the English Language*  
*Animal Farm*  
 1984

[George] Orwell

## 1044 Tricky

According to the supercomputer Deep Thought, what is the "Answer to the Ultimate Question of Life, the Universe, and Everything" in the novel *The Hitchhiker's Guide to the Galaxy*?

42

## 1045 Dams

What famous dam is located in the Black Canyon between Arizona and Nevada?

Hoover [Dam]

## 1046 Mummification Materials

Egyptian mummies were wrapped in linen strips. From what plant is linen made?

Flax

## 1047 Major Splits

Martin Luther posted what document on the church doors of Wittenberg in 1517, sparking the Protestant Reformation?

95 Theses OR Disputation on the Power and Efficacy of Indulgences

## 1048 Dramatic Defections

In 1974, Mikhail [MI-keyl] Baryshnikov [buh-RISH-ni-kawf] defected from the Soviet Union to Canada and then the United States, attracted, he said, by better opportunities in his field. What was his profession?

[Ballet] Dancer

## 1049 Landforms

The long, narrow, steep-walled ocean inlets common along the coast of Norway are known by what name?

Fjords

## 1050 Military History

The famous "Charge of the Light Brigade" occurred in 1854 during what war?

Crimean War

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### 1051 Economic History

In October 1929, the American Stock Market crashed, beginning what event, which continued until World War II?

The Great Depression

### 1052 Ships

What British passenger ship, captained by Edward J. Smith, sank on her maiden voyage to New York?

[RMS] Titanic

### 1053 Young Adult Literature

What novel by Pam Muñoz Ryan tells the story of Esperanza and her mother, who are forced to flee a comfortable life in Mexico and attempt to build a life for themselves in a farm labor camp in California?

*Esperanza Rising*

### 1054 Faults

The San Andreas fault in California represents the boundary between the Pacific Plate and what other plate?

North American Plate

### 1055 Colonial Literature

John Winthrop's "Journal," written from 1630-1649, described the efforts of what early American colony to form a theocratic government?

Massachusetts Bay [Colony]

### 1056 Pulitzer Prize Winners

Who created the following characters in her debut American novel?

Mayella Ewell  
Jem  
Boo Radley  
Atticus  
Scout

[Harper] Lee

### 1057 Monarchical Magic

*The Fairie Queen* by Edmund Spenser was written as a tribute to what English Monarch?

[Queen] Elizabeth I

### 1058 River Deltas

The Sacramento and San Joaquin Rivers form an inverted river delta before proceeding through a narrow gap into what bay?

San Francisco Bay

### 1059 Early Political Writing

The Federalist Papers were written by Alexander Hamilton, John Jay, and James Madison. Under what pen name were they published?

Publius

### 1060 Environmental Emergencies

In 2020, for the third time in the last 5 years, the waters around the Great Barrier Reef saw temperatures at levels high enough to expel the Zooxanthellae (ZOH-uh-zan-THAL-ee) within the coral on a large-scale -- a process known as what?

[Coral Reef] Bleaching

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**1061 National Monuments**

A 1200-foot tall igneous intrusion rising above the Belle Fourche River is the centerpiece of what US National Monument?

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Devils Tower

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**1062 Disasters**

On the day after Christmas, 2004, a massive tsunami devastated Indonesia, Sri Lanka, and Thailand. In what ocean did the Tsunami form?

---

Indian [Ocean]

---

**1063 Literary Places**

Jack London set many of his most famous stories, including *The Call of the Wild*, in what westernmost Canadian territory?

---

Yukon [Territory]

---

**1064 [P&P] Missions**

Put the following US missions to Mars in chronological order: Sojourner, Opportunity, Perseverance, Viking.

(In order) Viking, Sojourner, Opportunity,  
Perseverance

---

**1065 Pastoral Settings**

In what province of Canada does *Anne of Green Gables* take place?

---

Prince Edward Island

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