

# Round 4

## First Half

(1) In 2017, one type of these items was described as a “bleak, flavorless, gluten-free wasteland,” a description that went viral and inspired record sales. One of these items in the shape of its logo is called a (\*) Trefoil when produced by Little Brownie Bakers, one of two national manufacturers of these goods. For ten points, name this foodstuff, sold as an annual fundraiser for a youth organization, whose most popular varieties include Tagalongs and Thin Mints.

ANSWER: Girl Scout cookies (prompt on partial answers)

(1) In this film, Auli'i Cravalho provides the voice of the title character, who sings “If the wind in my sail on the sea stays behind me, one day I’ll know.” For ten points each,

Name this 2016 Disney film, whose title character searches for the demigod Maui to help save her Polynesian island.

ANSWER: Moana

This is the aforementioned song, sung by Moana as she sets sail on her journey. It earned an Best Original Song Oscar nomination for its writer, Lin-Manuel Miranda.

ANSWER: How Far I’ll Go

This actor and professional wrestler voices Maui in *Moana*.

ANSWER: Dwayne “The Rock” Johnson (accept either or both)

(2) The smallest subspecies of these animals is nicknamed “Tuktu” in the Inuktitut language, and their four-chambered stomachs help them digest their namesake (\*) “moss.” This is the only deer species in which females grow antlers, which they use to defend the patches of lichen they eat in the tundra. For ten points, name these arctic deer also known as caribou who, in legend, fly to pull Santa’s sleigh.

ANSWER: reindeer (accept caribou before it is read; accept Rangifer tarandus)

(2) Examples of these chemicals include estrogen and testosterone, which signal the body to progress through puberty. For ten points each,

Give this term for chemicals, mostly produced by the endocrine glands, which serve as messengers throughout the body.

ANSWER: hormones

This hormone is produced by a namesake gland found above the kidneys, and is important in the fight-or-flight response because it pushes the heart to increase blood flow to muscles. This hormone can be used as an injected medication for serious asthma attacks.

ANSWER: adrenaline (or epinephrine)

Ethylene, a simple hydrocarbon with a double bond, serves as a plant hormone by triggering this process, in which the fruit of a plant becomes softer, sweeter, and changes color.

ANSWER: ripening (accept word forms and elaborations that use the word ripe)

(3) **This mountain is actually an active volcano; its last eruption, in 1708, created Mount Hiei on this mountain's flank and a crater at its summit. *The Great Wave off (\*) Kanagawa* depicts this mountain in the distance, one of *36 Views of* this peak created by Hokusai. This mountain, known for its nearly perfect cone shape, lies about 60 miles southwest of Tokyo. For ten points, name this tallest mountain in Japan.**

ANSWER: Mount Fuji

(3) Give the following about writing systems for ten points each.

This type of writing system is a set of letters that represent basic sounds, contrasted with a syllabary, in which characters represent entire syllables. This term comes from the first two letters of the Greek type of this system.

ANSWER: alphabet

Another type of writing system is a logograph, in which a symbol represents a word, phrase, or other concept. A common example of a logograph is this writing system used in ancient Egypt, which was deciphered with the aid of the Rosetta Stone.

ANSWER: hieroglyphics

Some hieroglyphs do represent syllables or alphabetic letters, so it's not a strict logograph; similarly, this Sumerian system of wedge-shaped writing combines letters, syllables, and other symbols.

ANSWER: cuneiform

(4) **This god was represented by Khepri and Atum at different times of day, and he became known as "Horakhty" after he was blended with Horus. This god was opposed by Apophis on his (\*) daily journey through the underworld, after which he would appear in the sky each morning. For ten points, name this falcon-headed Egyptian sun god.**

ANSWER: Ra (accept Atum-Ra; accept Ra-Horakhty)

(4) This biblical book instructs that one should love “foreigners who live among you” “as you love yourself,” since Hebrews “were once foreigners” in Egypt. For ten points each,

Name this third book of the Bible that consists mostly of instructions for behavior, and which is named for a priestly tribe of Israel.

ANSWER: Leviticus

In all four Gospels, this man declares that “the law says ‘love your neighbor’” “but I say, love your enemies!” after delivering the Beatitudes during this man’s Sermon on the Mount.

ANSWER: Jesus Christ (accept either underlined name)

In this man’s letter to the Romans, this man says that the commandments are best summarized as “love your neighbor as yourself.” This man was struck blind on the road to Damascus, after which he changed his name and converted to Christianity.

ANSWER: Saint Paul the Apostle (accept Saul of Tarsus)

(5) **This property is unique, according to Playfair’s axiom, within Euclidean geometry. This term describes computing processes that are divided into smaller chunks and given to the separate cores of a multi-core processor, thus speeding up calculation. The (\*)** “multiverse” is often described as universes with this property, in which different outcomes of the same decision take place. For ten points, give this term that can also describe lines that never intersect.

ANSWER: parallel (accept parallel lines, parallel computing, parallel universes, etc.)

(5) A circle can have infinitely many of these lines, while a square can have four: two along the diagonals, and two through the midpoints meeting at the center. For ten points each,

Give this term for a line drawn through a shape that, if the shape is reflected over the line, looks the same.

ANSWER: line and/or axis of symmetry

Lines of symmetry can be drawn through the angles or sides of this broad class of shapes, whose sides form a closed figure and don’t curve. Triangles and pentagons are examples of these shapes.

ANSWER: (simple) polygons

This type of triangle has a line of symmetry through the non-base angle; that line will pass exactly between the two equal angles in this kind of triangle.

ANSWER: isosceles triangles

(6) **The “pet” variety of these institutions were so named due to receiving extra funds from the federal government. Nicholas Biddle operated the (\*)** Second National one of these institutions, whose charter was vetoed by Andrew Jackson. John Dillinger robbed over 20 of these institutions, often by subduing the tellers. For ten points, name these financial institutions which lend and hold money.

ANSWER: banks (accept pet banks, the Second Bank of the United States, etc.)

(6) This country was led by the House of Rurik for more than seven centuries, from the 9th century AD until the Time of Troubles. For ten points each,

Name this country, ruled by tsars until an early 20th century civil war.

ANSWER: Russia (do not accept Soviet Union)

Tsars of this royal family ruled Russia from 1613 until the aforementioned 1917 civil war.

ANSWER: Romanov family (or the House of Romanov)

This was the final Russian Tsar; he was executed, with his family, by Bolshevik forces in 1918.

ANSWER: Tsar Nicholas II

(7) In this novel, a man nicknamed “Owl-eyes” is impressed by the unread books owned by this novel’s protagonist, who is killed by George, an automotive repairman. Myrtle Wilson is killed after a party in the Valley of Ashes in this novel, in which a resident of (\*) West Egg parties with Jordan Baker and longs for Daisy Buchanan. Nick Carraway narrates, for ten points, what novel by F. Scott Fitzgerald?

ANSWER: The Great Gatsby

(7) In this epic poem, the main character is chased by a leopard and a lion, and is forced to enter a doorway that warns “abandon all hope, ye who enter here.” For ten points each,

Name this first part of the *Divine Comedy*, in which the poet describes being led through Hell by Virgil.

ANSWER: Inferno

The author and main character of *Inferno* is this Italian poet, who is guided through Hell, Purgatory, and Heaven by Virgil and Beatrice.

ANSWER: Dante Alighieri

After descending to the final circle of Hell in *Inferno*, Dante discovers this former angel trapped waist-deep in ice for the crime of betraying God.

ANSWER: Satan (accept Lucifer; accept the devil)

## Sixty Second Rounds

The categories are ...

1. Little Women
2. The Great Depression
3. Earthquakes
4. Celtic Mythology

## LITTLE WOMEN

In the novel *Little Women*, who or what is...

(1) the author of the book?

ANSWER: Louisa May Alcott

(2) the strong-willed March sister who marries Professor Bhaer?

ANSWER: Josephine "Jo" March (accept either underlined name)

(3) the second-youngest March sister, who dies from complications of scarlet fever?

ANSWER: Elizabeth "Beth" March (accept either underlined name)

(4) the Marches' young neighbor, who marries Amy?

ANSWER: "Theodore" "Teddy" "Laurie" Laurence (accept any underlined name; prompt on "Laurence")

(5) the nickname that the March sisters call their mother?

ANSWER: Marmee

(6) the German family to whom the sisters take their Christmas breakfast at the start of the book?

ANSWER: the Hummel family (or the Hummels)

## THE GREAT DEPRESSION

Name the...

(1) City where stockbrokers did not really jump out of windows *en masse* on Wall Street after the crash.

ANSWER: New York City (or NYC)

(2) U.S. President who lost re-election to Franklin Roosevelt for his poor response to the Depression.

ANSWER: Herbert Hoover

(3) Year in which the stock market crashed, ending a “roaring” decade.

ANSWER: 1929

(4) Ecological disaster in the American Plains caused by drought and heavy wind erosion, worsening the Depression.

ANSWER: Dust Bowl

(5) Stock market index of 30 companies, a common indicator for the stock market as a whole, that lost 90% of its value in the early years of the Depression.

ANSWER: Dow Jones Industrial Average (or DJIA; accept any combination of words that includes Dow)

(6) Informal radio broadcasts given by Franklin Roosevelt to reassure Americans during the Depression and, later, World War II.

ANSWER: fireside chats

## EARTHQUAKES

During and after an earthquake, what is the...

(1) term for small quakes that follow the main earthquake?

ANSWER: **aftershock**

(2) the Japanese term for a destructive “harbor wave,” one of which caused the Fukushima nuclear disaster?

ANSWER: **tsunami**

(3) term for seams between tectonic plates, where the motion between the plates causes earthquakes?

ANSWER: seismic **fault**

(4) Scale, improved on by the moment magnitude scale, that judges the amplitude of the waves and is named for its Californian inventor.

ANSWER: **Richter** magnitude scale

(5) first set of seismic waves in a quake, which precede “s” waves?

ANSWER: **p** waves (accept **primary** waves)

(6) point on the surface directly above the focus of an earthquake, which often suffers the strongest damage?

ANSWER: **epicenter**

## CELTIC MYTHOLOGY

In Celtic mythology, who or what is...

(1) the mischievous supernatural people who are modernly depicted as tiny humans with wings?

ANSWER: fairies (accept fae folk)

(2) the massive, ancient structure near Salisbury, England that might have been used for political or religious ceremonies?

ANSWER: Stonehenge

(3) the Celtic nation whose national hero is Fionn Mac Cumhail ["Finn McCool"]?

ANSWER: Ireland (accept Eire)

(4) the legendary "ghost-women" who wail to warn of approaching death?

ANSWER: banshees

(5) the common non-human appearance of kelpies, who trick people into riding them into water and drowning?

ANSWER: black horse

(6) the term for underwater people who can remove a "seal-skin" to appear human and walk on land?

ANSWER: selkies



## Second Half

(8) **Wyatt's Rebellion attempted to put this monarch on the throne. This monarch gave the Tilbury speech to an army preparing for an invasion by the (\*) Spanish Armada.** This monarch died in 1603 without an heir, ending the House of Tudor's reign. For ten points, name this daughter of Anne Boleyn and Henry VIII, an English queen whose royal name is shared by England's current queen.

ANSWER: Elizabeth I

(8) This deal was made due to relieve Napoleon Bonaparte's war debt. For ten points each, Name this 1803 land deal between the United States and France which nearly doubled the size of the US.

ANSWER: Louisiana Purchase

This expedition explored the newly acquired Louisiana Territory. Sacajawea aided this group on its way to the west coast.

ANSWER: Lewis and Clark Expedition (accept Corps of Discovery)

The Louisiana Purchase was engineered by this President of the United States, who retired to his estate at Monticello after his two terms in office.

ANSWER: Thomas Jefferson

(9) **Mixtures that cannot be simply separated via this process are known as azeotropes. In simple distillation, a mixture's components can be separated when one of them undergoes this process and the other doesn't. This process occurs anywhere within a (\*) liquid,** in contrast with a process that can only occur on the surface, evaporation. For ten points, name this process that occurs for liquid water at 100 degrees Celsius and results in a liquid becoming a gas.

ANSWER: boiling (accept distillation before mentioned)

(9) A canyon on this planet named Valles Marineris is nearly five miles deep in places and features channels that may have been formed by flowing water. For ten points each,

Name this "Red Planet," the fourth from the Sun.

ANSWER: Mars

Mars has two natural satellites: Deimos, named for the Greek god of terror, and this moon, named for the Greek god of fear.

ANSWER: Phobos

This shield volcano on Mars is over 13 miles tall and is the largest known mountain in the solar system.

ANSWER: Olympus Mons

(10) **A minimalist piece by Terry Riley begins on, and is named for, this musical note's major chord. Standard concert flutes playing this note will play the same pitch as a B-flat clarinet playing a (\*) B-flat.** This note's major key signature has no sharps or flats, making it common in beginning band music. For ten points, name this musical note, written in the treble clef staff in the second space from the top.

ANSWER: key of C (accept "In C;" accept C flute; accept C major; do not accept "c minor")

(10) Jan van Eyck created an elaborate, paneled work to sit behind one of these objects in a church in Ghent. For ten points each,

Name this surface on which offerings are placed. These surfaces can sit at the front of churches or in shrines in many religions.

ANSWER: altar

The construction of elaborate altars is part of the celebration of this Mexican holiday commemorating those who have passed on.

ANSWER: Day of the Dead (accept Dia de los Muertos)

Day of the Dead celebrations also include the creation of these sweet and colorful candy icons, also called calaveras, which can be given as offerings during the Day of the Dead.

ANSWER: sugar skulls (prompt on "skulls")

(11) **This novel's protagonist sees his housekeeper, Mrs Watchett, walk backwards across his laboratory. During a battle in a forest in this novel, Weena is captured by pale, ape-like creatures that raise (\*) "aristocratic"-looking Eloi as food.** Subterranean Morlocks descended from lower-class Englishmen steal the title machine in, for ten points, what H.G. Wells novel about a man who travels to the future and the past?

ANSWER: The Time Machine

(11) In this Edgar Allan Poe short story, the unnamed narrator barely escapes from the title mansion as it crumbles to the ground. For ten points each,

Name this story, in which the last members of the title family die while their home falls apart.

ANSWER: The Fall of the House of Usher

The House of Usher falls after the narrator reads Roderick Usher a story called *The Mad Tryst*, in which the knight Ethelred kills one of these mythical, fire-breathing animals, whose shriek the narrator thinks he can hear in real life.

ANSWER: dragon

What the narrator hears is not a dragon's shriek, but the grinding of a tomb door that alerts Roderick Usher that he has accidentally done this to his sister, Madeline.

ANSWER: entombed her alive (accept similar descriptions like buried alive)

(12) **This city names a “Zone of Alienation,” originally 30 kilometers in radius, that is actually centered near the town of Pripyat and the Red Forest. This city was evacuated on April 27, (\*) 1986, shortly after a flawed stress test caused a steam explosion at a power plant. For ten points, name this Ukrainian city, the site of a namesake nuclear disaster in the Soviet Union.**

ANSWER: Chernobyl

(12) This man started the Roman Civil War after crossing the Rubicon. For ten points each, Name this Roman Consul who recounted his defeat of Vercingetorix in *Commentaries on the Gallic War*. This member of the First Triumvirate was killed after being attacked by Brutus on the Senate floor.

ANSWER: Gaius Julius Caesar

After Caesar’s death, this former ally of his formed the Second Triumvirate with Octavian and Lepidus. This man was later defeated at the Battle of Actium.

ANSWER: Marcus Antonius (accept Marc Antony)

Julius Caesar and Marc Antony both had relationships with this Egyptian pharaoh, who may have hid in a rolled-up carpet to meet Caesar. After the Battle of Actium, this woman may have committed suicide by being bit by an asp.

ANSWER: Cleopatra VII Philopator

(13) **Continental rebound occurs after these bodies are removed, which can happen via calving and ablation. These bodies create moraines from debris they pick up and leave as they (\*) slowly move across the land. Crevasses are large cracks on the surface of these bodies, which cover much of Greenland but are receding due to climate change. For ten points, name these large, land-based bodies of ice.**

ANSWER: glaciers (prompt on descriptions of (land-based) ice; do not prompt or accept icebergs)

(13) This type of bond is formed between sodium and chloride to form table salt.

Name this type of bond between charged species.

ANSWER: ionic bond

Sodium is the second-lightest of these metals, found in the left-most group of the periodic table. These metals are very likely to form ionic compounds with the halogens.

ANSWER: alkali metals

In addition to the halogens, alkali metals can sometimes form ionic compounds with elements in the carbon group, like this metal. This element’s compounds are known as stannides, a reference to this element’s chemical symbol.

ANSWER: tin (prompt on Sn)

(14) **One of these animals is called a “wee, sleekit, cow’rin, tim’rous beastie” in a poem by Robert Burns, who laments that the “best-laid plans” of these animals often go awry. In novels by E.B. White and Beverly Cleary, one of these small (\*) rodents is born into a human family in New York and another, named Ralph, learns to ride a toy motorcycle. For ten points, name this animal exemplified by Stuart Little.**

ANSWER: mouse (accept mice)

(14) This character first appears in *A Study in Scarlet*, and goes on to solve the mystery of *The Hound of the Baskervilles*. For ten points each,

Name this fictional detective created by Arthur Conan Doyle. He resides at 221B Baker Street with his friend Doctor John Watson.

ANSWER: Sherlock Holmes (accept either underlined name)

This arch-nemesis of Sherlock Holmes tumbles over Reichenbach Falls with Sherlock in “The Final Problem.”

ANSWER: Professor James Moriarty

Holmes eventually refers to this character as simply “the woman” after this former opera singer blackmails a king in “A Scandal in Bohemia.”

ANSWER: Irene Adler (accept either underlined name)

## Extra Question

Only read if you need a backup or tiebreaker!

(15) **One of these buildings titles a surreal, unfinished novel by Franz Kafka. “Mad King” Ludwig ordered the construction of one of these buildings called Neuschwanstein [noysh-van-shtein] in Bavaria. Gatehouses were built to protect the entrances to these buildings, which were often surrounded by (\*) moats for further protection. The invention of artillery largely ended the construction of, for ten points, what heavily protected noble residences built in medieval Europe?**

ANSWER: castles (accept The Castle or Das Schloss)

(15) For ten points each, give the following about the standard drum kit.

This largest drum in the kit is played with a kick pedal.

ANSWER: bass drum

Rimshots are played on this drum, usually kept between the legs of the player. The bottom head of this drum has a metal rattle, giving it its characteristic sound.

ANSWER: snare drum

This is essentially a snare drum without the snare rattle; a four-piece drum kit usually uses two of these drums.

ANSWER: tom-tom drums (accept elaborations, like hanging toms)