

Round 1

Bee Round 1

(Tossup 1) This man defeated Pat Brown in 1966 to become Governor of California. George H.W. Bush condemned this man's supply-side economic policy as "voodoo economics" in the Republican primaries. John Hinckley Jr. shot, but failed to kill, this man, who exclaimed "Mr. Gorbachev, tear down this wall!" For the point, name this former actor who served as US President for much of the 1980s.

ANSWER: Ronald Wilson Reagan

(Tossup 2) A character is horrified by a corpse wearing a "melancholy shade of green" after he triumphantly throws a pinecone at a squirrel while wandering in a forest. After an officer calls the members of the 304th regiment "mud diggers" in this novel, Wilson captures the enemy flag during the next battle. The "tattered man," Jim Conklin, dies in, for the point, what Civil War-era novel about terrified Union soldier Henry Fleming, written by Stephen Crane?

ANSWER: The Red Badge of Courage

(Tossup 3) This god branded spots onto Seth, who had taken the form of a panther to attack a corpse. This god was assisted in one of his duties by the Devourer, Ammit, and helped Isis embalm Osiris. As the "Guardian of the Scales", this god was responsible for the weighing the feather of Ma'at against the hearts of the deceased. For the point, name this jackal-headed god of the afterlife.

ANSWER: Anubis

(Tossup 4) This molecule was studied in Photo 51, an image taken through X-ray diffraction in Rosalind Franklin's lab. In transcription, this molecule is copied and a portion of it is replaced with uracil. Adenine, cytosine, guanine, and thymine compose this molecule, which was once thought to be triple-stranded. Watson and Crick are credited with explaining the double-helix structure of, for the point, what nucleic acid that encodes genetic information?

ANSWER: Deoxyribonucleic acid (or DNA)

(Tossup 5) This leader had farmers kill sparrows as part of the Four Pests Campaign, which aimed to increase rice production. This man collected sayings like "political power grows out of the barrel of a gun" in his Little Red Book. After a civil war, Chiang Kai-Shek fled to Taiwan to avoid this man's new Communist government. For the point, name this leader of the People's Republic of China, commonly known as "Chairman."

ANSWER: Mao Zedong (or Mao Tse-tung)

(Tossup 6) The Illinois was a structure of this type designed by Frank Lloyd Wright that would have used atomic-powered elevators. Louis Sullivan is called the “father” of this type of structure, several of which he designed in Chicago to compensate for the high price of real estate. Steel beams are used as the frame of this type of structure to support their extreme height. For the point, name these tall structures that include the Empire State Building.

ANSWER: skyscraper

(Tossup 7) This type of number can be removed from an exponent by taking the reciprocal of the base value. The “less than” symbol must be flipped to “greater than” if both sides of the inequality are multiplied by one of these numbers. The absolute value function will seemingly “remove” this property from its input. For the point, name this type of number found to the left of zero on a number line.

ANSWER: negative numbers

(Tossup 8) This poem’s protagonist sees Count Ugolino chewing on the head of Archbishop Ruggieri, and finds Francesca and Paolo, two lovers, trapped in eternal whirlwinds. In this poem, King Minos wraps his tail around himself to determine the destination of sinners. The words “Abandon all hope, ye who enter here” are inscribed on a gate in front of this poem’s namesake location. For the point, name this first poem in the *Divine Comedy*, in which Virgil guides Dante through the nine circles of hell.

ANSWER: Inferno (prompt on “Divine Comedy” or “Divina Comedia” before it is read)

(Tossup 9) The Bahr el Ghazal is a major western tributary of this river. Lake Tana is the source of one of this river’s primary branches which carries the majority of its water, though its other branch is much longer. This River’s Blue and White portions merge near Khartoum, the capital city of Sudan. For the point, name this river whose branches flow through Uganda and Ethiopia before meeting the Aswan High Dam near Luxor in Egypt.

ANSWER: Nile River (accept White Nile; accept Blue Nile after “Tana” is read)

(Tossup 10) Highly concentrated solutions of this type are measured by the Hammett function instead of the Henderson-Hasselbalch equation. Substances of this type named after Gilbert Lewis have an empty orbital allowing them to bond with electrons. Aqua regia is a mixture of two of these substances and can be used to dissolve platinum. Sulfuric and hydrochloric are common examples of, for the point, what substances that have a pH below 7?

ANSWER: acids

(Tossup 11) In this battle, Joshua Chamberlain led the 20th Maine in the defense of Little Round Top. Fierce fighting occurred in the Peach Orchard after Daniel Sickles extended his line. George Pickett led a namesake unsuccessful charge on Cemetery Ridge on third day of this battle. For the point, name this battle of the American Civil War, commemorated by a National Cemetery where Abraham Lincoln gave a namesake address.

ANSWER: Battle of Gettysburg

(Tossup 12) Beethoven's piano concerto of this number was dedicated to Archduke Rudolph and is nicknamed "Emperor." Traditional Asian folk music use a scale consisting of this many notes. G is the scale degree of this number in C major. Beethoven's symphony of this number represents "fate knocking at the door" with a short, short, short, long opening rhythm. For the point, give this number of lines in a staff of music.

ANSWER: 5

(Tossup 13) This state has been represented in Congress by the retiring representative Charlie Dent, as well as by Senator Pat Toomey. This state's Congressional map of 18 House districts was redrawn in 2018 due to excessive gerrymandering. This state, which went for Donald Trump in 2016, was the site of a Hillary Clinton rally at Independence Hall. For the point, name this state where Democrats outnumber Republicans in cities like Erie, Lancaster, and Pittsburgh.

ANSWER: Pennsylvania

(Tossup 14) This object may have been created in the aftermath of the collision of Theia. In 1961, the Ranger program was launched to take close-up pictures of this body's surface. Volcanic eruptions on this body created numerous dark spots which were confused for seas by ancient astronomers and are now named "mare" [mar-ay]. During a total solar eclipse, the "new" form of this body blocks out the Sun. For the point, name this celestial object that orbits the Earth.

ANSWER: Earth's moon (accept Luna)

(Tossup 15) A member of this family wrote a novel about a governess who works for the Bloomfield and Murray families. Members of this family wrote *Agnes Grey* and a novel in which Catherine marries Edgar Linton instead of her childhood friend, Heathcliff. For the point, give the surname of the sisters Anne, Charlotte, and Emily, the author of *Wuthering Heights*.

ANSWER: Brontë sisters (accept Anne, Charlotte, and/or Emily Brontë)

(Tossup 16) An early version of this work is the Codex Sinaiticus, which may have been commissioned by Constantine. The Prayer of Azariah is sometimes included in a section of this work named for Daniel. The Pentateuch, the Pauline Epistles, and the Gospels are contained in this book's Old and New Testaments. For the point, name this holiest book in Christianity.

ANSWER: Christian Bible (do not accept or prompt on "Old Testament" or "New Testament;" do not accept or prompt on specific books)

(Tossup 17) This organ contains Kupffer cells, specialized macrophages which break down red blood cells. Hepatitis B is an infection of this organ which can lead to its tissue being replaced with scarring in cirrhosis. This is the only internal organ in humans that can regenerate. An abundance of alcohol consumption can cause the failure of, for the point, what bile-secreting organ that detoxifies blood?

ANSWER: liver

(Tossup 18) This text laments the dissolution of “Representative Houses” for their opposition of “manly firmness” to “invasions on the rights of the people.” This document, which begins with the phrase “When in the course of human events,” modifies Locke’s fundamental rights by replacing “estate” with “the pursuit of happiness.” John Hancock left a flamboyant signature on, for the point, what document that formalized the colonial decision to separate from England?

ANSWER: US Declaration of Independence

(Tossup 19) If a polygon has this many sides, then the sum of its interior angles equals the sum of its exterior angles. Appel and Haken used a computer to prove that this many colors will always be able to color a map such that adjacent regions have different colors. This is the smallest number of faces of any Platonic solid, the tetrahedron. For the point, give this number of sides on any rhombus, parallelogram, rectangle, or square.

ANSWER: four

(Tossup 20) This author wrote “I held his paw and I shouted ‘Shoo! / Silly old dragons!’” in the poem “Us Two,” which was written for this man’s son. A character created by this author has the name “Mr Sanders” written above the front door of his home in the Hundred Acre Wood, and is a personification of a stuffed animal owned by this man’s son, Christopher Robin. For the point, name this author who created Piglet, Tigger, and Winnie-the-Pooh.

ANSWER: Alan Alexander Milne (accept A.A. Milne)

(Tossup 21) After this ruler wrote *Defense of the Seven Sacraments*, Pope Leo X named him “Defender of the Faith.” Later, this ruler broke his ties with the Catholic Church and passed the Act of Supremacy, naming him the leader of the Church of England, when Pope Clement VII refused to annul this ruler’s marriage to Catherine of Aragon. For the point, name this English king who had six wives.

ANSWER: Henry VIII Tudor

(Tossup 22) The Greek letter mu [mew] represents the coefficient of this force, a constant that depends on the materials involved. According to Amonton’s second law, this force is independent of the surface areas involved. This force may be kinetic, if the two objects in question are moving relative to each other, or static. A lubricant will decrease this force. For the point, name this force that opposes motion and is experienced when two materials slide against each other.

ANSWER: friction (accept static friction)

(Tossup 23) The Aloadae [ah-loh-ah-day], Otus and Ephialtes [eh-fee-all-teez], tried to reach this location by stacking a pile of mountains. A gadfly stung Pegasus while Belerophon rode him to try to reach this location. Hestia manages the hearth at this location, from which Hera hurled Hephaestus after seeing how ugly he was. For the point, name this residence of the twelve greatest Greek gods.

ANSWER: Mount Olympus

(Tossup 24) This author wrote “How dreary to be somebody!” in a poem that asks “I’m nobody! Who are you?” This author compared Hope to “a thing with feathers” in another poem, and she described a carriage ride with a figure who “kindly stopped for me”. For the point, name this reclusive poet nicknamed the Belle of Amherst, who wrote “Because I could not stop for death”.

ANSWER: Emily Elizabeth Dickinson

(Tossup 25) This man painted a woman seated on her mother’s lap and reaching toward a baby in *The Virgin and Child with St Anne*. This artist used sfumato technique to paint *The Madonna of the Rocks*, which is on display in the Louvre along with this artist’s portrait of the enigmatically smiling wife of Francesco del Giocondo. For the point, name this Renaissance painter of the *Mona Lisa*.

ANSWER: Leonardo da Vinci (accept either underlined portion)

(Tossup 26) Slaves on the Underground Railroad often referred to this body of water as the River Jordan, as it provided a boundary between slave states to its south, and free states to its north. This river’s port cities include Cairo [KAY-roh] near its confluence with the Mississippi, as well as Louisville, Kentucky. For the point, name this river that forms the southern border of its namesake state, whose city of Cincinnati lies on its banks.

ANSWER: Ohio River

(Tossup 27) The rate of one of these policies is plotted against expected revenue in the Laffer Curve. The 16th amendment permanently established a policy of this type. Recently, cigarettes and sugary drinks have been targeted by the especially high “sin” type of this policy with the goal of reducing their purchase. For the point, name these policies used by federal and state governments to collect revenue, including “income” and “sales” types.

ANSWER: taxes (accept income tax; accept sales tax or sin tax after “cigarette” is read)

(Tossup 28) This poem’s speaker longs to quaff the “kind nepenthe” of the title character’s company after it leaves “the Night’s Plutonian shore,” and asks it “is there balm in Gilead?” This poem’s title character perches “on a bust of Pallas” above the speaker’s door and seems to taunt him about a “rare and radiant maiden whom the angels named Lenore.” For the point, name this Edgar Allan Poe poem about a blackbird who repeats “Nevermore.”

ANSWER: The Raven

(Tossup 29) When this structure was renovated in 1949, its occupants moved to Blair House. In 1913, a rose garden was added to this complex by Ellen Wilson. Lucy Hayes was nicknamed “Lemonade” for her role in banning alcohol from this location, where Dolley Madison legendarily saved a picture of George Washington during the War of 1812. For the point, name this office complex and residence, the home of the President of the United States.

ANSWER: The White House

(Tossup 30) Like the Beaufort scale for winds, these phenomena are ranked on a 1-to-12 scale named for Mercalli. These events may take place when a hanging wall and footwall move relative to each other. According to elastic rebound theory, when one of these events takes place at a strike-slip fault, the two tectonic plates will jolt back into place. The Richter scale measures the size of, For the point, what natural phenomena that shake the ground?

ANSWER: earthquakes

Extra Question

Only read if moderator botches a question.

(Tossup 1) Democritus observed the edge of one of these objects as a bright band of stars. These objects rotate around a center of mass that is theorized to often be a black hole. The one closest to Earth, 2.5 million light years away, is Andromeda. Based on their shape, these objects are classified as spiral, elliptical, or irregular. For the point, name these objects that are gravitationally-bound clusters of stars, dust, gas, and dark matter like the Milky Way.

ANSWER: galaxy