

Round 3

Tossups

(Tossup 1) This artist frequently painted the “White Place,” a rock formation near her home, and painted a series of jack-in-the-pulpits. This artist painted a white hollyhock floating beside a ram’s head and used stripes of red and a bright color gradient on each side of her Cow’s Skull: Red, White, and Blue. For the point, name this artist who frequently painted flowers and bones near her New Mexico home.

ANSWER: Georgia ***O’Keeffe*** (accept Georgia Totto ***O’Keeffe***)

(Tossup 2) Conic sections with an eccentricity other than one will have at least two of these, whereas conics with an eccentricity of one will always have just one. There are an infinite number of these for the graph of $x^2 + y^2 = 1$, and for the function $y = x^2$, the y axis is one of these. For the point, name these objects about which a shape may be reflected while still appearing the same.

ANSWER: ***lines of symmetry*** [or clear equivalents; accept ***axis of symmetry*** or reflection ***symmetries***]

(Tossup 3) This ruler persecuted Protestants with his Edict of Fontainebleau, which revoked the Edict of Nantes. In this ruler’s regency, a revolt known as the Fronde was suppressed under the leadership of Cardinal Mazarin. The Palace of Versailles was built under this king. For the point, name this “Sun King,” France’s longest-reigning monarch.

ANSWER: ***Louis XIV*** (prompt on Louis)

(Tossup 4) As a child, this woman successfully petitioned Proctor and Gamble to change a sexist TV ad implying only women do dishes. This actress, who first gained fame as the love interest in USA Network’s series *Suits*, later gave birth to her child Archie in 2019, 7th in line for the English royal throne. For the point, name this member of the House of Windsor by marriage who, with her husband Harry, stepped back from public life in “Megxit.”

ANSWER: Meghan ***Markle***

(Tossup 5) A novel set in this country follows a “witch” and a boy with large knees who join Saleem Sinai to form the title group. That novel in this country describes children who are born on the night that this country gains independence from the British Raj together with Pakistan. For the point, name this setting of Salman Rushdie’s *Midnight’s Children*, a South Asian country governed from New Delhi.

ANSWER: ***India*** (accept Republic of ***India***; accept ***Bharat*** Ganarajya)

(Tossup 6) The transit method can be used to find large types of these objects. The first observed variety of these bodies were “hot Jupiters.” These bodies may be able to support life if they are located in the zone of habitability, nicknamed the “Goldilocks zone.” For the point, name these extra-solar bodies that orbit other stars.

ANSWER: ***exoplanets*** (accept descriptions like “***planets*** that orbit ***other stars***”)

(Tossup 7) According to legend, the bones of one of these animals from Wawel [**VAH-vell**] hang at a Polish cathedral. In Germanic myths, a dwarf transformed into one of these animals to protect the Rhinegold, and was named Fafnir. Cadmus legendarily grew soldiers from the teeth of these mythical creatures. The Chinese *Qinglong* is, for the point, what kind of large, mythical reptile known in Europe for breathing fire?

ANSWER: **dragons** (accept *Wawel dragon* or *smok Wawelski* before “dwarf” is read)

(Tossup 8) In this novel, a young boy who lives inside the Elephant of the Bastille, Gavroche, is killed at a barricade with Enjolras and the Friends of the ABC. In this novel, Eponine falls in love with Marius, but passes a love letter to him from his eventual wife. Cosette is raised by a man with the designation 24601 in this novel-turned musical. For the point, name this Victor Hugo novel in which Inspector Javert (**zhah-VAIR**) pursues ex-convict Jean Valjean during the 1832 June Rebellion in Paris.

ANSWER: Les **Miserables** (accept Les *Mis*)

(Tossup 9) In this country, the soda Irn Bru routinely outsells Coca-Cola. This country’s national food is made by boiling a sheep’s heart and lungs inside of its stomach. Black pudding and haggis are commonly eaten during breakfast in this country. For the point, name this country whose cuisine is prominent in cities like Glasgow and Edinburgh.

ANSWER: **Scotland** (prompt on the United Kingdom; prompt on the UK; prompt on Britain; prompt on Great Britain, do not accept or prompt on England)

(Tossup 10) This man signed two treaties with Omar Torrijos which transferred control of the Panama Canal. This US President brokered secret negotiations leading to the Egypt-Israel Peace Treaty. The Iran Hostage Crisis contributed to this man losing the Election of 1980. For the point, name this former peanut farmer who was succeeded as President by Ronald Reagan.

ANSWER: Jimmy **Carter** (accept James Earl *Carter*)

(Tossup 11) This novel’s protagonist is shocked to see her father remove his glasses to shoot Tim Johnson at the request of Calpurnia and the sheriff of Maycomb. In this novel, Heck Tate insists that Bob Ewell fell on his own knife while attacking a child in a ham costume after Jem is carried home by the reclusive Boo Radley. For the point, name this Harper Lee novel about Atticus Finch, narrated by his young daughter, Scout.

ANSWER: **To Kill a Mockingbird**

(Tossup 12) This sense’s inputs are processed by mitral cells, and are determined by vibration and particle size and shape. Damage to this sense’s bulb in the forebrain can result in parosmia or anosmia, the loss of this sense. This sense can be used by some animals to detect pheromones. The loss of this sense can also inhibit the sense of taste. For the point, name this sense which is centered on the nose.

ANSWER: **smell** (or *olfaction*)

(Tossup 13) In this country, the 26th of July Movement was led by a man who claimed “History Will Absolve Me” after leading an attack on the Moncada Barracks. The CIA-backed Brigade 2506 unsuccessfully attempted to seize control of this country in the Bay of Pigs invasion. In 1962, the Soviet Union moved ballistic weapons into this country sparking a namesake “missile crisis.” For the point, name this country where Fidel Castro led from Havana.

ANSWER: Republic of **Cuba**

(Tossup 14) An epigraph to this short story describes a “Manitou” spirit that lives in the Catskill Mountains, and is attributed to the fictional historian Diedrich Knickerbocker. This story’s title character is shocked to learn that his dog, Wolf, has died in the years since he played ninepins with a group of ghosts. For the point, name this short story by Washington Irving in which the title Dutch colonist sleeps through the American Revolution.

ANSWER: **Rip Van Winkle**

(Tossup 15) In this ballet’s first act, the protagonist goes hunting with Benno and Wolfgang, and in its second act, a line of dancers join hands to perform the Dance of the Cygnets. A dancer in this ballet performs thirty-two consecutive fouettes while portraying Odile, who is transformed by the evil wizard Rothbart so she can trick Siegfried into thinking she is Odette. For the point, name this ballet by Tchaikovsky in which the same dancer usually portrays both the “black” and “white” title birds.

ANSWER: **Swan Lake** (accept **Lebedinoye ozero**)

(Tossup 16) During a decisive battle in this war, the Marquis de Montcalm and James Wolfe died fighting on the Plains of Abraham. The disastrous Braddock Expedition in this conflict forced a young George Washington to construct Fort Necessity. Quebec was ceded to Britain as a result of, for the point, what North American theater of the Seven Years’ War?

ANSWER: **French and Indian** War (prompt on “Seven Years’ War” before mentioned)

(Tossup 17) Species of these detritivores in the southern hemisphere build mounds, as in Brazil’s caatinga. These insects form symbiotic relationships with bacteria that allow them to eat cellulose, and may be the source of over 10% of total methane emissions. For the point, name these eusocial insects known for eating wood.

ANSWER: **termites** (accept **termitoidae**)

(Tossup 18) The Omaheke Province in this desert is home to most of the Herero people. This region is the home of the San people who were evicted from its central game reserve. The inland delta of the Okavango River is located in this desert. For the point, name this desert in southern Africa that covers parts of Namibia, Botswana, and South Africa.

ANSWER: **Kalahari** Desert

(Tossup 19) Auguste Rodin used this material to make a larger-than-life Saint John the Baptist after he was accused of casting another work, called *The Age of* [this material], from a living model. Another sculpture in this metal shows a young man wearing a broad-brimmed hat and standing over the head of a giant. For the point, name this material used to make Donatello's *David*, an alloy made from copper and tin.

ANSWER: **bronze** (prompt on "metal" until mentioned)

(Tossup 20) The Kerr Metric characterizes these objects by mass, charge, and angular momentum. These objects can be thought of as singularities in space-time, and energy can be extracted from a rotating one in the Penrose process. These objects' gravitational pull is stronger than the speed of light. For the point, name these massive dark objects that suck in the space around them.

ANSWER: **black holes** (prompt on "ergosphere")

(Tossup 21) An event in this city may have been started by Daniel "Pegleg" Sullivan." An 1893 World's Fair in this city was the site of the first Ferris Wheel and represented a return to glory after a disastrous fire supposedly started by Mrs. O'Leary's cow. An 1871 fire devastated, for the point, what largest city in Illinois?

ANSWER: **Chicago**

(Tossup 22) In this novel, Pew breaks into the Admiral Benbow Inn to search the belongings of Billy Bones after delivering a "black spot." In this novel *Hispaniola*, Squire Trelawney sponsors a voyage led by Captain Smollett, who loses command of the in a mutiny. The one-legged cook Long John Silver appears in, for the point, what novel by Robert Louis Stevenson in which Jim Hawkins goes on an adventure with pirates?

ANSWER: **Treasure Island** (or the *Mutiny of the Hispaniola*)

(Tossup 23) These objects acquire layers of firn, and may form moulinns [moo-LAHNS], shafts that transport water to the base of these objects. The movement of these objects can form roche moutonnees [roash moo-toh-NAYS], cirques, and drumlins. Icebergs can break off of, for the point, what large, slow-moving bodies of ice?

ANSWER: **glaciers**

(Tossup 24) This country's ruling family established Juche (**JOO-chay**), a policy of self-reliance, as its national ideology. In 1950, this country started the "Fatherland Liberation War" by invading its southern neighbor. For the point, name this country led by the Kim family from Pyongyang.

ANSWER: **North Korea** (accept **DPRK**; prompt on Korea)

(Tossup 25) Metaphors, similes, and epithets - such as "rosy-fingered Dawn"- appear frequently in this author's work. According to legend, he was born in Chios [**KEE-occe**] but, for centuries, an entire branch of scholarship has been devoted to debating whether or not this person actually existed, or is really a composite. For the point, what blind Greek poet wrote the *Iliad* and *Odyssey*?

ANSWER: **Homer**

Tiebreaker or Replacement

(Tossup 31) The Molyneux problem concerns whether information from touch can be transferred to this sense. The phi phenomenon occurs due to fatigue in muscles that aid with this sense. This sense is processed with rod and cone cells, which transmit information to the ganglion cells of the retina. Information from this sense is carried by the optic nerve. For the point, name this sense that relies on the eyes.

ANSWER: *sight* (accept *vision*)