

Playoff Round 3

First Half

(Tossup 1) **This country was the site of the Villa Grimaldi, an infamous torture center utilized by the DINA secret police. This country's La Moneda palace was stormed in 1973 by CIA-backed forces after its Marxist president nationalized the (*) copper mining industry; that coup led to the possible suicide of president Salvador Allende, who was then replaced with Augusto Pinochet. For ten points, name this South American country where that coup took place in Santiago.**

ANSWER: Republic of Chile

(Bonus 1) A precursor to these events was convened in Jerusalem and decided Gentile converts need not follow the Law of Moses. For ten points each:

[Part A] Name these ecumenical meetings of the Christian Church. One of these in Nicaea in 325 formulated the Nicene Creed, while the fourth of them that was held in the Lateran Palace defined transubstantiation.

ANSWER: ecumenical councils (or synods; accept additional information, like church council)

[Part B] Two early councils, including the Council of Nicaea, declared this belief to be a heresy. This belief holds that Jesus Christ is a separate being from God.

ANSWER: Arianism

[Part C] The last two church councils took place in this city, where the Pope often speaks from a balcony overlooking St. Peter's Square.

ANSWER: Vatican City

(Tossup 2) **A novel from this country is set entirely on June 16th, 1904 and has sections titled "The Nostos" and "Telemachiad." A short story collection from this country describes the Araby bazaar, as well as Evaline, Gabriel Conroy, and other residents of this nation's capital. This is the home nation of a (*) stream-of-consciousness novel chronicling a day in the life of Leopold Bloom. *Ulysses* is set in, for ten points, what home country of James Joyce that also provides the setting for *Dubliners*?**

ANSWER: Republic of Ireland (accept Eire; do not accept or prompt on United Kingdom, Great Britain, or Northern Ireland)

(Bonus 2) Give the following about American novelist Truman Capote for ten points each.

[Part A] This Truman Capote novella is about Holly Golightly, a woman who makes her living by socializing with rich men. Audrey Hepburn played Holly in the movie rendition of this novella.

ANSWER: Breakfast at Tiffany's

[Part B] Truman Capote wrote the non-fiction novel *In Cold Blood*, in which real-life criminals Dick Hickcock and Perry Smith perform robbery and this crime against the Clutter family.

ANSWER: murder (accept descriptive answers like killing them)

[Part C] In Capote's novel *The Grass Harp*, Collin Fenwick camps out in one of these structures with his aunt. Mary Pope Osborne wrote a series about a "Magic" one of these structures.

ANSWER: treehouse (accept magic tree house or Chinaberry tree house)

(Tossup 3) **In 2017, a former star for this team, Charles Oakley, was evicted from its home stadium after arguing with owner James Dolan. In 1985, this team drafted Patrick Ewing. This team's reported chemistry issues include a micromanaging President, (*) Phil Jackson, who cannot make the triangle offense work with Derrick Rose and Kristaps Porzingis. Carmelo Anthony plays for, for ten points, what NBA team that plays in Madison Square Garden in Manhattan?**

ANSWER: New York Knicks (accept either or both; accept Knickerbockers)

(Bonus 3) This show borrows several of its early plot points from the never aired *Bruce Wayne*. For ten points each,

[Part A] Name this FOX show which focuses on the early career of James Gordon. This program shows a grittier, more realistic version of the title city.

ANSWER: Gotham

[Part B] A fan favorite in *Gotham* is this minor gangster turned King of Gotham who originally served Fish Mooney. This character initially despises a nickname given to him due to his distinctive walk, but later embraces it.

ANSWER: Oswald Cobblepot (accept either or both names; accept Oswald Kapelpot; accept The Penguin)

[Part C] Another character on *Gotham* is a young version of this girl, the main love interest for Bruce Wayne, before she became Catwoman.

ANSWER: Selina Kyle (accept either or both names)

(Tossup 4) **This man's mother hid him from Pelias, who later sent this man away because he wore only one sandal. This man encountered a group of women cursed with unbearable body odor on the island of Lemnos, and while in Colchis, this man sewed (*) dragon teeth into the ground with help of his lover, Medea. For ten points, name this leader of the Argonauts who embarked on the quest for the Golden Fleece.**

ANSWER: Jason (accept Iason)

(Bonus 4) Adherents of this religion infiltrated government offices during Operation Snow White. For ten points each,

[Part A] Name this religion, the subject of the documentary *Going Clear*, that performs “auditing” using an E-meter. Famous followers include John Travolta and Tom Cruise.

ANSWER: Scientology

[Part B] This science fiction author founded Scientology, basing it upon the principles of his book *Dianetics*.

ANSWER: L. Ron Hubbard

[Part C] 75 million years ago, this dictator of the Galactic Confederacy brought billions of people to Teegeeack, only to kill them with a hydrogen bomb-induced volcanic eruption. His story is often relayed to Scientologists when they reach OT level III.

ANSWER: Xenu (or Xemu)

(Tossup 5) **There is no algebraic formula in radicals to find these values for quintic functions, according to the Abel-Ruffini theorem. Complex examples for these values come in conjugate pairs, as seen in the behavior of the discriminant of the (*) quadratic formula, which calculates these. The Fundamental Theorem of Algebra guarantees the existence of n of these values if a polynomial has degree n . X-intercepts are graphical evidence for, for ten points, what values where a polynomial evaluates to zero?**

ANSWER: roots of a polynomial (or solutions or zeroes of a polynomial; prompt on x-intercept before mentioned)

(Bonus 5) For ten points each, give the following about mathematical concepts that are unreachable.

[Part A] This concept describes entities that have no bound; for example, the quantity of integers. Symbolized by a lemniscate or a sideways 8, it is often incorrectly treated like a number itself.

ANSWER: infinity

[Part B] As the graph of a curve progresses infinitely far, it may approach, but never reach, one of these lines. The graph of $y = \frac{1}{x}$ has two of these lines along the x- and y-axes.

ANSWER: (vertical and/or horizontal) asymptotes

[Part C] Similarly, a function may approach some output value as the function’s inputs approach some other value; this term describes that mathematical calculation. If the behavior of the function is somewhat awkward near the desired input value, this value likely “does not exist.”

ANSWER: limit of the function

(Tossup 6) **One member of this family lost popularity after he inadvertently killed Mary Jo Kopechne after driving a car off a bridge on Chappaquiddick Island. Another member of this family rose to prominence investigating (*) Mafia influences in the Teamsters as Attorney General, but was killed by Sirhan Sirhan in Los Angeles while campaigning for President in 1968. For ten points, name this American political family that included Ted, Robert F., and John F.**

ANSWER: Kennedy family (accept Edward “Ted” Kennedy, Robert F. Kennedy, and/or John F. Kennedy)

(Bonus 6) This dynasty was founded in 206 BC by Liu Bang after the fall of the Qin [chin]. For ten points each,

[Part A] Name this dynasty that shares its name with the majority ethnic group of China.

ANSWER: Han Dynasty

[Part B] The wealth of the Han was greatly enhanced by this trade route that linked China with the West. It is named for the dynasty’s most valuable textile.

ANSWER: Silk Road (or Silk Route)

[Part C] The Han employed this type of selection process to create a Confucian based meritocracy. Candidates memorized the classics to perform well in this process.

ANSWER: civil service exam (or imperial exam; prompt on partial answers)

(Tossup 7) **One part of this process uses FADH₂ and NADH molecules to pump protons across a membrane. The first pathway of this process requires ten steps to break down glucose into pyruvic acid. Oxaloacetic acid is used to create (*) citric acid in the middle pathway of this process. This process includes the electron transport chain, the Krebs cycle, and glycolysis. For ten points, name this process that takes place in mitochondria and transforms nutrients into ATP, the energy source of the cell.**

ANSWER: aerobic cellular respiration (accept the electron transport chain before mentioned; accept glycolysis after “ten” is read and before it is mentioned; accept Krebs Cycle after “Oxaloacetic” is read and until mentioned)

(Bonus 7) The contact process is used to manufacture this substance, which is commonly found in chem labs and car batteries. For ten points each,

[Part A] Name this acid whose chemical formula is H_2SO_4 .

ANSWER: sulfuric acid

[Part B] Sulfuric acid is this type of acid because it dissociates *completely* into hydrogen cations and sulfate anions.

ANSWER: strong acid

[Part C] Most strong acids have one hydrogen atom, and sulfuric acid is one of the few strong diprotic acids. On the other hand, this monoprotic acid, which involves a halogen and is capable of dissolving glass, is a weak acid.

ANSWER: hydrofluoric acid (accept HF)

Sixty Second Rounds

The categories are . . .

1. Wuthering Heights
2. James Madison
3. Uranium
4. Santería

WUTHERING HEIGHTS

In the novel *Wuthering Heights*, name the...

(1) Last name of the novel's author, Emily.

ANSWER: Brontë

(2) Role of Mr Lockwood, who tells the events of the novel to the reader.

ANSWER: narrator

(3) Wild and vengeful boy who becomes the owner of Wuthering Heights.

ANSWER: Heathcliff

(4) Woman that man loved, whose ghost Lockwood thinks he sees trying to get into Wuthering Heights.

ANSWER: Catherine Earnshaw (accept Catherine Linton; accept Cathy the elder or similar; prompt on Cathy)

(5) Housekeeper who tells much of the novel's story to Mr Lockwood.

ANSWER: Ellen "Nelly" Dean (accept any underlined name)

(6) Manor near Wuthering Heights where the Lintons lived.

ANSWER: Thrushcross Grange

JAMES MADISON

Name the...

(1) Plantation he owned in northern Virginia; it shares its name with Vermont's capital city.

ANSWER: Montpelier

(2) List of first ten amendments to the Constitution, most of which were introduced in the House by Madison.

ANSWER: Bill of Rights

(3) War during his term, fought against Britain and ended by the Treaty of Ghent.

ANSWER: War of 1812

(4) President whose portrait was saved by Dolley Madison while the White House was burned by the British.

ANSWER: George Washington

(5) Resolutions co-authored by Madison and Jefferson that opposed the Alien and Sedition Acts.

ANSWER: Kentucky and Virginia Resolutions (or Resolves; prompt on partial answers)

(6) Secretary of War and Treasury under Madison who later finished third in the election of 1824.

ANSWER: William H. Crawford

URANIUM

Name the...

(1) Chemical symbol for uranium.

ANSWER: U

(2) Behavior it displays in which its nucleus loses energy and emits alpha particles.

ANSWER: radioactivity (accept radioactive decay or alpha decay; accept answers related to giving off radiation; accept clear equivalents and word forms)

(3) Series on the periodic table where it's found, one row below the lanthanides.

ANSWER: actinides

(4) Atomic mass of uranium's most common natural isotope, within two AMUs.

ANSWER: 238 amu (accept 236, 237, 239, 240, or any decimal value between 236 and 240)

(5) Black oxide mineral ore in which uranium was first found.

ANSWER: pitchblende (accept uraninite)

(6) Filtered powder that is processed from that ore, named for its color.

ANSWER: yellowcake uranium (prompt on urania)

SANTERÍA

Santería is a religion of the Lucumí people that emphasizes the tie between humans and spirits called Orichás. In Santería, what is the...

(1) Religion the combined with west African religion to contribute the saints to Santería?

ANSWER: Roman **Catholicism** (prompt on Christianity)

(2) Caribbean country where Santería developed, before it spread 90 miles north to Florida?

ANSWER: **Cuba**

(3) Controversial practice that is performed to feed the Orichás blood?

ANSWER: **animal sacrifice** (prompt on sacrifice; do not accept human sacrifice)

(4) Type of beaded jewelry given to priests-in-training to symbolize their connection to their Orichás?

ANSWER: **necklace** (accept **ilekes**)

(5) Method of connecting to Orichás by allowing them to temporarily inhabit a human's body?

ANSWER: **possession** (accept being **possessed**; accept **trance** possession)

(6) African people, originally inhabiting Benin and Nigeria, whose beliefs combined with European religion to create Santería?

ANSWER: **Yoruba** (accept **Yoruban** people, or beliefs)

Second Half

(Tossup 8) **A character in this book frantically yells “No money. No pity. Just listen to me!” That character, who played dead after being shot in the leg, was Moshe the Beadle. In this book, the protagonist’s father explains to the protagonist that “you don’t die of” a (*) yellow star.** This book begins in the town of Sighet, from where the protagonist is taken by wagon to Auschwitz. For ten points, identify this biographical work that chronicles Elie Wiesel’s experience during the Holocaust.

ANSWER: Night

(Bonus 8) In this novella, an unnamed governess tries to defend her charges, Miles and Flora, from the strange inhabitants of their home. For ten points each,

[Part A] Name this novella, in which the governess protects the children from Miss Jessel and Peter Quint.

ANSWER: The Turn of the Screw

[Part B] In *The Turn of the Screw*, Miss Jessel and Peter Quint are this type of supernatural being, who appear after their deaths to the children.

ANSWER: ghosts (accept descriptions like specters)

[Part C] *The Turn of the Screw* is by this American-English author of *The Portrait of a Lady* and *Daisy Miller*.

ANSWER: Henry James

(Tossup 9) **This city contains the Grona Lund amusement park and the historic home of the De La Gardie family, Makalos Palace. The Old Town of this city, known as Gamla Stan, was built on an island. Museums in this city include one dedicated to the warship (*) *Vasa* and one dedicated to Alfred Nobel, who lived most of his life here. A short drive south from Uppsala brings you to, for ten points, what capital of Sweden?**

ANSWER: Stockholm

(Bonus 9) A region of this name comprises the western three counties of Oklahoma. For ten points each,

[Part A] Give the name of these regions, also called salients, in which the elongated territory of a state such as Florida or Texas is surrounded on three sides by land or water that is not part of the state.

ANSWER: panhandles (accept Texas Panhandle; accept Oklahoma Panhandle; accept Florida Panhandle)

[Part B] The largest city in the Florida panhandle is this capital of the state.

ANSWER: Tallahassee

[Part C] This city in the Texas panhandle is a major center for helium production. It is nicknamed the “Yellow Rose of Texas” because it is named after the Spanish word for the color.

ANSWER: Amarillo

(Tossup 10) **This scientist's namesake disk rotating in a magnetic field was the first electric generator. This first scientist to isolate benzene names a constant equal to the amount of charge carried by a mole of electrons, as well as a law of (*) induction that describes a change in flux. This man's namesake cage can block electromagnetic fields. For ten points, name this English chemist who coined the term electrolysis and names the SI unit for capacitance.**

ANSWER: Michael Faraday

(Bonus 10) For ten points each, give the following about hypothetical objects in our solar system.

[Part A] A Mars-sized object named Theia is hypothesized to have collided with the Earth around 4 billion years ago, creating what celestial body?

ANSWER: Earth's Moon

[Part B] Recently, astronomers at Caltech hypothesized the existence of what generically named object, about 10 times the mass of the Earth, beyond the orbit of Neptune?

ANSWER: Planet Nine

[Part C] A hypothetical fifth giant planet was ejected from the Solar System before the planets arranged themselves in the current order, according to what model of solar system development named for a city in France?

ANSWER: Nice model

(Tossup 11) **This work's premiere featured sets and costumes designed by Nicholas Roerich. In this work, a series of games between rival tribes are interrupted by the arrival of a Sage who proceeds to kiss the ground. This ballet's Part I, (*) "Adoration of the Earth," opens with a high bassoon solo, and this work ends with a young pagan girl dancing herself to death. Vaslav Nijinsky choreographed, for ten points, what 1913 Igor Stravinsky ballet that caused a riot at its Paris premiere?**

ANSWER: The Rite of Spring (or Le sacre du printemps)

(Bonus 11) The human figures in this painting form a pyramid under a makeshift sail, allowing those at the top to wave strips of cloth at the distant *Argus*. For ten points each,

[Part A] Name this Théodore Géricault [tay-oh-DOHR zhay-ree-KOH] painting depicting the survivors of a French shipwreck.

ANSWER: The Raft of the Medusa (accept Le radeau de la Méduse)

[Part B] Although the raft contains several corpses, Géricault eventually decided not to depict this act, which survivors on the raft engaged in after running out of food.

ANSWER: cannibalism (accept descriptions like eating people)

[Part C] Géricault was one of the first French members of this art movement, which celebrated emotion and instinct. This art movement also included Delacroix's *Liberty Leading the People*.

ANSWER: Romanticism (accept word forms)

(Tossup 12) **The Eskimo and Medusa nebulae are located in the area covered by this constellation. The meteor shower associated with this constellation occurs yearly around December 14th. This constellation lies between Taurus and (*) Cancer along the ecliptic.** The name of this constellation also gives the name to the American space program that occurred between *Mercury* and *Apollo*. Castor and Pollux are the two brightest stars of, for ten points, which constellation that depicts twins?

ANSWER: Gemini

(Bonus 12) This group of organisms has members in the phyla Nematoda, Platyhelminthes, and Annelid, which respectively are known as the round, flat, and segmented types of these organisms. For ten points each,

[Part A] Name these legless organisms with a long, tubelike body. One group of these organisms named for the Earth comes out in rainy conditions.

ANSWER: worms (accept any additional information)

[Part B] Many flatworms can be involved in this kind of symbiotic relationship with humans in which the host is harmed. Examples of worms that have this kind of relationship with humans include tapeworms and flukes.

ANSWER: parasite (accept word forms like parasitic relationship)

[Part C] This nematode worm is a model organism whose study was pioneered by Sydney Brenner. The process by which this organism develops from a one-celled embryo to an adult is fully known.

ANSWER: Caenorhabditis elegans

(Tossup 13) **During this battle, the Royal Sovereign led a frontal charge in an attempt to replicate tactics used at Camperdown. In this battle, the *Bucentaure* was captured along with its admiral, Pierre-Charles Villeneuve, after the winning side was able to split a (*) Franco-Spanish fleet in half. This battle ended Napoleon's hopes of invading Britain. Horatio Nelson was killed leading an English fleet to victory in, for ten points, what 1805 battle commemorated by a namesake London square?**

ANSWER: Battle of Trafalgar

(Bonus 13) This man controversially supported the Compromise of 1850, including the Fugitive Slave Act, in his “Seventh of March” speech. For ten points each,

[Part A] Name this Massachusetts Senator.

ANSWER: Daniel Webster

[Part B] Webster resigned from the Senate to take this Cabinet position in Millard Fillmore’s administration. It was his second time in this post, whose analog in most countries is a Minister of Foreign Affairs.

ANSWER: Secretary of State

[Part C] Daniel Webster negotiated a treaty with Baron Ashburton that ended the Aroostook War, an international incident over the border of this US state.

ANSWER: Maine

(Tossup 14) **The author of this work asks the reader to “see what is before you, and walk on into futurity” in a section titled “Sounds.” This work’s other sections include a reflection on farming called “The Bean-Field” and a description of “The (*) Pond in Winter.”** In an attempt to “live deliberately,” the author of this transcendentalist work moved to a title pond near Concord, Massachusetts. For ten points, name this work by Henry David Thoreau.

ANSWER: Walden; or, Life in the Woods

(Bonus 14) Give the following about a Welsh poet who wrote the villanelle “Do Not Go Gentle Into That Good Night” for ten points each.

[Part A] Name this poet, who also wrote “Fern Hill” and the poem “And Death Shall Have No Dominion.”

ANSWER: Dylan Marlais Thomas

[Part B] “Do Not Go Gentle Into That Good Night” is a villanelle, a highly-structured poetic form that has this number of lines, since villanelles are made up of five tercets and a quatrain.

ANSWER: nineteen

[Part C] “Do Not Go Gentle Into That Good Night” is addressed to this relative of Thomas’s, and encourages this man to fight against his oncoming death.

ANSWER: his father

Extra Question

Only read if you need a backup or tiebreaker!

(Tossup 15) **In one battle, this man’s rival was defended by huscarls atop Senlac Hill but died after an arrow struck his eye. This man ordered a “Great Survey” of his domains to be compiled in the (*) Domesday Book after taking power. This ruler launched an invasion after claiming he had been promised the throne by Edward the Confessor. The Bayeux Tapestry depicts this man’s defeat of Harold Godwinson at Hastings. For ten points, name this Norman who invaded England in 1066.**

ANSWER: William I (or William the Conqueror)

(Bonus 15) Give the following about the book *The Hunt for Red October* for ten points each.

[Part A] It was the debut novel of what American author, who created the recurring CIA agent Jack Ryan? He is primarily known for his spy novels.

ANSWER: Tom Clancy (or Thomas Leo Clancy, Jr.)

[Part B] In the novel, *Red October* is this kind of vehicle. Other such vehicles in the work include the USS *Dallas*.

ANSWER: submarines (prompt on boat, ship, or other general terms)

[Part C] The *Red October* worked in the service of this country’s navy. This country’s 1961 detonation of Tsar Bomba escalated tensions during its Cold War rivalry with the United States.

ANSWER: the Soviet Union (accept Russia; accept Union of Soviet Socialist Republics)