

Playoff Round 1

First Half

(1) A playwright from this city was mocked in *The Frogs* for being “clever” but not “wise,” and he won this city’s annual Dionysia festival with his play *The Bacchae*, which was part of a three-tragedy set. Aristotle believed that this city’s dramatic tradition fell with the work of (*) Euripides [yoo-RIP-ih-deez], and peaked before the Peloponnesian War with plays like *Oedipus Rex*, a work by this city’s playwright, Sophocles. For ten points, name this Greek city-state, named for the goddess of wisdom and the arts.

ANSWER: Athens

(1) In a poem about one of these insects, the speaker compares the “Stillness in the Room” to the “Stillness in the Air / Between the Heaves of Storm.” For ten points each,

Name this insect that the speaker hears buzz “when (she) died.”

ANSWER: fly (accept “I heard a Fly buzz–when I died”)

This reclusive American poet, known as the “Belle of Amherst,” wrote “I heard a Fly buzz – when I died.”

ANSWER: Emily Elizabeth Dickinson

The speaker of this Dickinson poem rides in a carriage that “held but just Ourselves / And Immortality” with this poem’s title figure, who had “kindly stopped for me.”

ANSWER: Because I could not stop for Death

(2) Carl Seyfert described, and now names, a particularly active type of these objects. In 1926, these objects were classified into a diagram shaped like a tuning fork by Edwin Hubble. Supermassive black holes may be found at the (*) center of these systems, which are gravitationally held in ellipses, spirals, or irregular shapes. For ten points, give this term for a system of stars, examples of which include Andromeda and our Milky Way.

ANSWER: galaxy

(2) Alloys of this element with other metals are called amalgams and are often used in tooth fillings. For ten points each,

Name this element, the only metal that is a liquid at room temperature.

ANSWER: mercury

Vermillion is a red pigment made from grinding this natural mineral made of mercuric sulfide.

ANSWER: cinnabar

The patio process uses mercury to extract this precious metal from ore. This metal element has chemical symbol Ag, as opposed to gold’s Au.

ANSWER: silver

(3) **This artist rarely painted skulls, but did paint a skeleton smoking a cigarette in 1885. His letters to his brother Theo detailed the creation of his *The Potato Eaters*, and he was inspired for his most famous painting by looking out the (*) window at an asylum in Saint Rémy [sahn reh-MEE]. This artist only sold one artwork in his lifetime. For ten points, name this Dutch painter of many sunflowers and *The Starry Night*.**

ANSWER: Vincent (Willem) Van Gogh

(3) These are the highest-pitched instruments that play in Mozart's *Eine Kleine Nachtmusik*. For ten points each,

Name this string instrument, two of which join the cello and viola in a string quartet.

ANSWER: violin

This piece of wood supports the strings on a violin below the fingerboard. The F-holes are usually placed on either side of this part of the violin, and the soundpost is inside the instrument under one end of it.

ANSWER: bridge

This Italian term describes a method of playing the violin by plucking, rather than bowing, the strings.

ANSWER: pizzicato

(4) **In February 2016, Alabama passed a law banning this action, two days after the city of Birmingham voted to do this. Seattle's city council performed this action in 2014, and in 2013, a one-day fast food (*) strike in New York City argued for this action. Opponents of this action warn that it could cause job losses and higher prices. For ten points, name this action, sought by the "Fight for 15" movement, which seeks to make a certain value \$15 per hour.**

ANSWER: raising the minimum wage (accept descriptions; prompt on "minimum wage" by asking "doing what with it?")

(4) The English had an easy time naming the things they "discovered;" rather than using local names, just name everything after Queen Victoria! For ten points each,

In 1855, David Livingstone saw and named Victoria Falls, the world's largest waterfall by combination of height and width. Victoria Falls lies on this river, Africa's fourth longest after the Nile, Congo, and Niger.

ANSWER: Zambezi River

The city of Victoria on Vancouver Island is the capital city of this Canadian province, which borders Washington state.

ANSWER: British Columbia (accept BC)

Victoria names a large desert and an entire state in this Southern Hemisphere country, which was founded on an island continent as a penal colony.

ANSWER: Australia

(5) **In a novel by this author, the raven Moses says that it is “Sunday seven days a week” on Sugarcandy Mountain and Boxer repeats the phrase “I will work harder.” This author created pigs named Napoleon and (*) Snowball, who fight for control of the title farm, and he wrote about residents of Oceania named O’Brien, Julia, and Winston Smith in another novel. For ten points, name this author of *Animal Farm* who used the phrase “Big Brother is watching you” in his novel *1984*.**

ANSWER: George Orwell (accept Eric Arthur Blair)

(5) Ancient Greek works were often written in dactylic hexameter, in which each line of poetry included six repetitions of a long syllable followed by two short syllables. For ten points each,

Dactylic hexameter is used in this epic poem by Homer, which describes a conflict between the heroes Achilles and Agamemnon during the Trojan War.

ANSWER: Iliad

While Greek fits naturally into dactylic hexameter, this poetic meter is more natural for the English language. This meter contains five repetitions of an unstressed, then a stressed syllable, and was used in Shakespeare’s sonnets.

ANSWER: iambic pentameter (prompt on partial answer)

Iambic pentameter is used in unrhymed poems in blank verse poems, but this form of poetry does not use a regular meter or rhyme scheme.

ANSWER: free verse

(6) **An island held by this man’s country was invaded in Operation Husky. Forces under this man caused King Zog to flee from Albania, four years this man’s country proved the League of Nations ineffective when it conquered (*) Ethiopia. This man was removed as Prime Minister by Victor Emmanuel III in 1943. For ten points, name this leader, nicknamed “Il Duce,” who led as dictator of Italy during World War II.**

ANSWER: Benito Amilcare Andrea Mussolini

(6) After being captured by pirates, this man demanded that they raise his ransom. For ten points each, Name this Roman general who became dictator after defeating Pompey but was assassinated on the Ides of March.

ANSWER: Gaius Julius Caesar

After winning the very quick Battle of Zela, Caesar wrote “I came, I saw, I conquered.” Of course, he wrote it Latin, not English – give the three word Latin phrase that he wrote.

ANSWER: Veni, vidi, vici (accept if pronounced weni, widi, wici)

That letter from Caesar was a report to this Roman body, whose members were appointed by consuls in the early Republic and later by censors. This body alone held the power to name a dictator in emergencies.

ANSWER: Roman Senate

(7) **The Frasch process removes this element from rock. This element is commonly found as an eight-atom, crown-shaped ring. Only carbon has more allotropes than this element, which bonds with iron in iron pyrite. Its dioxide, like nitrogen, produces (*) acid rain, and a corrosive acid of this element is used in car batteries. Brimstone is a common name of, for ten points, what rotten-smelling element whose atomic symbol is S?**

ANSWER: sulfur (accept S before mentioned)

(7) To promote acquired resistance, vaccines contain inactivated or similar forms of viruses. For ten points each,

Jonas Salk invented the injectable vaccine for this disease, and the oral vaccine was created by Albert Sabin. This disease destroys spinal cord nerve cells, leading to paralysis. FDR was among its notable victims.

ANSWER: polio

The first successful vaccine was developed for this virus by Edward Jenner, who noted that milkmaids who caught cowpox did not catch this similarly-named virus.

ANSWER: smallpox

This disease causes Koplik's spots inside the mouth and red spots elsewhere. The vaccine for this disease is usually administered with the ones for mumps and rubella.

ANSWER: measles

Halftime

The categories are ...

1. C.S. Lewis
2. Virginians
3. Mars
4. American Art and Architecture Road Trip

C.S. LEWIS

Which C.S. Lewis...

(1) series includes *The Lion, the Witch, and the Wardrobe* and *The Silver Chair*

ANSWER: The **Chronicles of Narnia**

(2) character is a lion that represents Jesus Christ?

ANSWER: **Aslan**

(3) character is known as the “High King” and is the brother of Edmund, Susan, and Lucy?

ANSWER: **Peter** Pevensie (prompt on “Pevensie”)

(4) royal character titles the fourth chronological book in the series?

ANSWER: Prince **Caspian X** [”the tenth”]

(5) cousin of the Pevensies joins Edmund and Lucy aboard the Dawn Treader?

ANSWER: **Eustace Scrubb** [accept either name]

(6) epistolary work does Demon write to his nephew Wormwood?

ANSWER: The **Screwtape Letters**

VIRGINIANS

Which U.S. President from Virginia...

(1) retired to Mount Vernon after serving as the first U.S. president?

ANSWER: George Washington

(2) was the third president, and preceded James Madison?

ANSWER: Thomas Jefferson

(3) "kept us out of" World War I, until he led the U.S. into World War I?

ANSWER: Woodrow Wilson

(4) ran on a ticket with fellow Virginian John Tyler, who succeeded him after just 32 days as President?

ANSWER: William Henry Harrison (prompt on Harrison alone)

(5) issued a doctrine warning European powers against colonizing in North or South America?

ANSWER: James Monroe

(6) was known as "Old Rough and Ready" as an Army general, but died in 1850 after just over a year as President?

ANSWER: Zachary Taylor

MARS

The planet Mars...

(1) was confirmed in 2015 to have what substance in liquid form?

ANSWER: liquid water (accept ice)

(2) has only two of what bodies, named Phobos and Deimos?

ANSWER: moons (or natural satellites)

(3) is separated from Jupiter by what "belt" of small rocky objects?

ANSWER: asteroid belt

(4) is covered in the oxide of what ferromagnetic element?

ANSWER: iron (or Fe)

(5) is home to what tallest volcano in the solar system?

ANSWER: Olympus Mons

(6) had, according to Percival Lowell, a series of what features built for irrigation by Martians?

ANSWER: canals

AMERICAN ART AND ARCHITECTURE ROAD TRIP

Name the state that contains...

(1) the Empire State Building and Statue of Liberty.

ANSWER: **New York**

(2) Robert Smithson's *Spiral Jetty*, which lies in the Great Salt Lake.

ANSWER: **Utah**

(3) the Golden Gate Bridge.

ANSWER: **California**

(4) the Black Hills, which are home to the Mount Rushmore monument.

ANSWER: **South Dakota**

(5) the Space Needle in its largest city.

ANSWER: **Washington**

(6) an Eero Saarinen designed structure in its Jefferson National Expansion Memorial

ANSWER: **Missouri**

Second Half

(1) **All curves of this shape have eccentricity 1, and are therefore all similar to each other. The latus rectum can be drawn through this curve's focus parallel to its directrix. Unlike circles, ellipses, and (*) hyperbolas, this conic section has a single vertex.** Quadratic growth is shown by, for ten points, what mathematical u-shaped curve, graphed by equations like y equals x squared?

ANSWER: parabola

(1) For ten points each, answer the following about the mathematical expression $1/x$ one over x.

For a number x , this word refers to $1/x$. This one-word term is synonymous with multiplicative inverse.

ANSWER: reciprocal

The graph of $y=1/x$ y equals one over x is symmetric around this point, whose coordinates are (0,0) zero comma zero.

ANSWER: the origin

The graph of $y=1/x$ also has reflectional symmetry across this line, which cuts the first and third quadrants in half.

ANSWER: $y=x$

(2) **The McMillan Plan governed the development of this city, whose buildings were sacked after the Battle of Bladensburg. The largest collection of Shakespeare works is held in this city's Folger Shakespeare Library. Pierre (*) L'Enfant created the original plans for this city, which contains Ford's Theater and the Smithsonian Institution. The Potomac River borders this city near the National Mall.** For ten points, name this home of the White House, America's capital city.

ANSWER: Washington, D.C. (or D.C. or District of Columbia)

(2) Cardinal Mazarin ruled as Chief Minister during the early years of this man's reign. For ten points each,

Name this Sun King of France who claimed "I am the state" and ruled for over 72 years.

ANSWER: Louis XIV (prompt on "Louis")

Louis XIV was responsible for numerous expansions to this palace, the third of which added its Hall of Mirrors.

ANSWER: Palace of Versailles

Louis XIV repressed this group of French protestants by passing the Edict of Fontainebleau, which overruled religious freedoms granted to these people by the Edict of Nantes.

ANSWER: Huguenots

(3) **The second half of this novel was originally published as *Good Wives*, in which a character dies of complications of scarlet fever after helping the Hummel family. In this novel, Robert is a chaplain in the Union army, and John Brooke becomes a father to the twins (*) Daisy and Demi. An author in this novel marries Professor Bhaer instead of “Laurie” Laurence, who eventually celebrates Marmie’s sixtieth birthday at the end of this novel. For ten points, name this novel by Louisa May Alcott about the sisters Meg, Jo, Beth, and Amy March.**

ANSWER: Little Women

(3) The protagonist of this novel is accompanied by the valet Passepartout [pass-par-TOO]. For ten points each,

Name this 1873 novel in which Phileas Fogg is pursued by Detective Fix while he attempts to win his bet with his friends at the Reform Club that he can perform the title action.

ANSWER: Around the World in Eighty Days

This French author wrote *Around the World in Eighty Days*, and wrote about Captain Nemo in *Twenty Thousand Leagues Under the Sea*.

ANSWER: Jules Verne

Captain Nemo captains this ship in *Twenty Thousand Leagues Under the Sea*. Nemo later dies aboard this submarine in Verne’s novel *The Mysterious Island*.

ANSWER: The Nautilus

(4) **In 2014, this band cancelled its Australian tour after the suicide of L’Wren Scott, the partner of this band’s frontman. This band’s performance at the Altamont Free Concert is the subject of the documentary (*) *Gimme Shelter*, and a TV personality “can’t be a man ‘cause he doesn’t smoke the same cigarettes as me” in one of their songs. “Paint it Black,” “(I Can’t Get No) Satisfaction,” and “Sympathy for the Devil” are songs by, for ten points, what band, fronted by Mick Jagger?**

ANSWER: The Rolling Stones

(4) In a game partially titled *Sunshine*, this character uses the F.L.U.D.D. [”flood”] to clean up Isle Delfino. For ten points each,

Identify this Italian plumber, the brother of Luigi, who often rescues Princess Peach from Bowser in a series of video games named for him.

ANSWER: Mario

After the player collects 120 stars in *Super Mario 64*, this green dinosaur appears on top of Peach’s castle. A game named this character’s *Wooly World* came out in 2015.

ANSWER: Yoshi

In Mario games, these mushroom-headed enemies can release coins after Mario jumps on top of them.

ANSWER: Goombas (accept Kuribo)

(5) **This mythological figure was the father of Kebechet, and he received Osiris's organs as a gift after his death. He frequently appears seated on top of tombs to guard them. This god oversaw the (*)** weighing of the heart against the feather of Ma'at, and symbolically presided over the embalming of mummies. For ten points, name this jackal-headed Egyptian god of the dead.

ANSWER: Anubis

(5) Two of these animals pulled Freya's chariot. For ten points each,

Name these animals. Li Shou, a god of these animals, protected Chinese crops by eating mice.

ANSWER: cats

Cats are a symbol for this Greek goddess of wisdom, who was born after she emerged from Zeus' skull fully grown and fully armored.

ANSWER: Athena Pallas (accept Athene; do not accept "Minerva")

This Egyptian goddess of family and protection was often depicted with the head of a cat. In early myth, this goddess shared a role with Sekhmet.

ANSWER: Bastet (accept Bast; accept Ubaste; accept Baset)

(6) **Truganini was the last surviving, full-blooded member of an offshoot of these people that were completely cut off from the outside world by the flooding of the Bass Strait. Prime Minister Kevin Rudd publicly apologized to these people for the forced removal of the (*)** Stolen Generations. These people developed a musical instrument called the didgeridoo, as well as the boomerang. For ten points, identify these indigenous inhabitants of Australia.

ANSWER: Australian Aborigines (or reasonable equivalents; accept Aboriginal Tasmanians)

(6) During this war, Agent Orange was used to defoliate the jungle in an attempt to destroy farmland and jungle cover used by the Viet Cong. For ten points each,

Name this war in which the United States failed to defeat a Communist government in a divided Southeast Asian country.

ANSWER: Vietnam War (accept Second Indochina War; accept Resistance War Against America; accept American War)

The Americans withdrew from Vietnam during the fall of this city, the former capital of South Vietnam. It is now named for a North Vietnamese leader who died in 1969.

ANSWER: Saigon (accept Ho Chi Minh City)

This American diplomat who served as Secretary of State under Presidents Nixon and Ford won a highly-controversial Nobel Peace Prize in 1973 for brokering the Paris Peace Accords, which got the US out of the war but failed to prevent the fall of South Vietnam.

ANSWER: Henry Kissinger

(7) **The Milwaukee Protocol was created in response to an attack by one of these animals. The fish-eating myotis is one of these animals, which belong to the order (*) Chiroptera. Leaf-nosed ones produce nasal echolocation, which helps them hunt prey in the air, and the flying fox is a fruit-eating one of these animals. For ten points, blood-drinking “vampires” are a rare type of what winged mammals?**

ANSWER: bats (accept Chiropterans before it is read)

(7) 78% of this mixture is nitrogen, and roughly 0.04% – or 400 parts per million – is carbon dioxide. For ten points each,

Name this layered mixture of gases, including the stratosphere and troposphere, that surrounds the Earth.

ANSWER: atmosphere

Like nitrogen, this second most abundant gas in Earth’s atmosphere is diatomic. Organisms use it for cellular respiration, and it is a byproduct of photosynthesis.

ANSWER: oxygen (or O)

This noble gas is the third most abundant gas in the atmosphere, making up less than 1% of it. It is lighter than krypton and heavier than neon.

ANSWER: argon (or Ar)

Extra Question

Only read if you need a backup or tiebreaker!

(1) **These organs have three right and two left lobes, and they move with the aid of intercostal muscles. Dipnoi are fish that possess these structures. These organs contain small sacs called (*) alveoli that increase the surface area at the ends of bronchioles. A common disease in coal miners, pneumoconiosis, causes these organs to become black due to the inhalation of silica dust. For ten points, name these organs used for breathing.**

ANSWER: lungs