

# Playoff Round 1

## Tossups

(Tossup 1) Injury to this organ can be indicated by Kerh's sign, a sharp pain on the left shoulder. Sick cell anemia can result in infarctions of this organ. A monocyte-rich portion of this organ is composed of structures called the cords of Billroth. This organ is primarily composed of red and white pulp. For the point, name this lymphatic organ that creates and destroys red blood cells.

ANSWER: *spleen*

(Tossup 2) This play's protagonist describes telling stories of "hair-breadth scapes" to woo his wife when Brabantio accuses him of using witchcraft to marry his daughter. In this play, Bianca complains about Michael Cassio's gift of a strawberry-embroidered handkerchief, not knowing it was actually stolen from Desdemona to make the title man think she is unfaithful. For the point, name this Shakespeare tragedy in which Iago uses jealousy to destroy the title "Moor of Venice."

ANSWER: *Othello* (accept The Tragedy of *Othello*, the Moor of Venice)

(Tossup 3) This holiday includes the Ne'ilah service and the rite of Vidui. This holiday includes the recitation of an Aramaic prayer, the Kol Nidre, and readings from the Book of Jonah. A twenty-five-hour fast and the confession of sins are elements of this holiday, which occurs nine days after Rosh Hashanah. For the point, name this last of the High Holy Days, the Jewish Day of Atonement.

ANSWER: *Yom Kippur* (accept Day of *Atonement* before mentioned)

(Tossup 4) A political leader in this nation named Viktor Babaryka was arrested on trumped up charges of "illegal financial activities" at Belgazprombank. In this nation, the organizer of the "Anti-cockroach Movement," presidential candidate and Youtuber Sergei Tikhanovsky, was arrested in 2020. That man organized protests in this nation against the so-called "Last Dictator of Europe," Alexander Lukashenko. For the point, name this former Soviet Republic with capital at Minsk.

ANSWER: Republic of *Belarus*

(Tossup 5) During this election year, a campaign co-chair, Katherine Harris, was allowed to oversee the tabulation of mail in ballots for one state. Democrats in this election year accidentally voted for Pat Buchanan due to the confusing butterfly ballot. A Supreme Court case in this election year resolved a dispute over ballots in Florida. For the point, name this controversial election year in which George W. Bush defeated Al Gore.

ANSWER: *2000*

(Tossup 6) Cantor's proof shows that while the set that these numbers are also a part of is uncountable, these numbers are countable, showing most real numbers do not fit into this set. The symbol for these numbers comes from the Italian word for quotient, because these numbers can be expressed as a quotient of 2 integers. For the point, name this set of numbers that has a decimal that either ends or repeats in a pattern, unlike numbers like pi.

ANSWER: **Rational** numbers

(Tossup 7) In this poem, a plague ends after Chryseis is returned to her father, and Priam begs for the burial of his son. In this poem, Patroclus is killed by Hector after he borrows armor from a hero whose mother, Thetis, made him nearly immortal by dipping him by his heel into the river Styx. Agamemnon and Odysseus join forces with Achilles in, for the point, what epic poem attributed to Homer, which describes a portion of the Trojan War?

ANSWER: the **Iliad** (accept **Ilias**)

(Tossup 8) It's not in West Africa, but under the Yaruba Dynasty, this empire captured the island of Qeshm from the Persians. This empire's Nabhani Dynasty ruled from the city of Bahla. In 1955, this empire sold the port of Gwadar to Pakistan. This empire formerly had its capital at Zanzibar, off the coast of modern day Tanzania. For the point, name this Middle Eastern sultanate, whose al Said monarchy currently rules from Muscat.

ANSWER: **Omani** Empire (accept **Omani** Sultanate)

(Tossup 9) When this mineral is subjected to intense pressure, it forms a "shocked" variant that is found near craters. This mineral is the lowest on Bowen's reaction series. This is the most common piezoelectric material, and is the second-most common mineral in the Earth's crust after feldspar. This mineral has a rating of 7 on the Mohs hardness scale. For the point, name this mineral with the formula  $\text{SiO}_2$  [S-I-O-2], commonly used in wristwatches.

ANSWER: **quartz**

(Tossup 10) A character in this opera arrives at Lillas Pastia's Inn and sings, "Your toast, I can return it to you." Escamillo's "Toreador Song" appears in this opera, whose title character sings "Love is a rebellious bird" in the famous "Habanera" aria. Don Jose falls in love with the title Romani and cigarette factory worker in, for the point, what opera by Georges Bizet [bee-ZAY]?

ANSWER: **Carmen**

(Tossup 11) It's not in Alaska, but this city was first settled by Solomon Juneau per the request of fur trader Jacques Vieau. The Chicago-based gangster Al Capone ran a moonshine production ring in this nearby city's suburb of Brookefield. This city on Lake Michigan is going to be linked by high-speed rail to its state's capital of Madison in the 2020s. For the point, name this largest city of Wisconsin.

ANSWER: **Milwaukee**

(Tossup 12) Early in his career, this man wrote much of the constitution of the colony of Carolina, including giving more control to slave owners. The Declaration of Independence was inspired by this man's writings, including possibly borrowing from his phrase "life, liberty, and property." For the point, name this 17th century English philosopher whose "Essay Concerning Human Understanding" laid an early groundwork for liberalism.

ANSWER: John *Locke*

(Tossup 13) The footfall of this animal was an ingredient in crafting Gleipnir, a cord that bound the wolf Fenrir. Utgard-Loki issued a challenge to Thor to lift the foot of one of these animals, which was actually the Midgard Serpent in disguise. Freya's chariot was pulled by these animals. The goddess Bastet is often depicted with the head of, for the point, what domestic animal that ancient Egyptians usually nicknamed for their "meow?"

ANSWER: *cat* (accept common nicknames like *kitty*-cat or *pussy*-cat; accept *felines*; accept *felis catus* or *felis silvestris catus*; accept Norwegian *forest cat*; accept Egyptian *wildcat* or *felis silvestris lybica*; do not accept or prompt on "lion" or "lioness")

(Tossup 14) A character in this work is trapped in Laozi's crucible as punishment for stealing some divine fruit. In this work, Guanyin puts a tightening band on a character who wields the Ruyi Jingu Bang, a staff that can change size. Pigsy and Sandy accompany Tang Sanzang in, for the point, what classical Chinese novel in which Sun Wukong, the Monkey King, accompanies a monk on a trip to India?

ANSWER: *Journey to the West* (accept *Xi You Ji*)

(Tossup 15) A gradient named for this quantity is responsible for wind. Raoult's law relates two forms of this quantity with mole fraction, and Dalton's law also deals with different forms of this quantity. Pascal's law states the change in this quantity occurs throughout an entire fluid. The atmospheric type of this quantity is measured using a barometer. For the point, name this quantity measured in Pascals, the force per unit area.

ANSWER: *pressure* (accept *pressure* gradient; accept vapor *pressure*; accept partial *pressure*; accept atmospheric *pressure*)

(Tossup 16) A work by this artist portrays Steve Jobs carrying a bag and a Macintosh in *The Son of a Migrant from Syria*, a work drawn on the wall of a refugee camp. Another painting by this artist depicts a child reaching out toward a red heart as it floats away from her. For the point, name this street artist, whose *Girl with Balloon* was renamed *Love is in the Bin* after it was shredded during an auction in 2018.

ANSWER: *Banksy*

(Tossup 17) This country's largest island is combined with 32 other islands off its southwest coast to form its namesake province of Phuket (POO-ket). This country is home to the Chao Phraya (PRY-uh) River, which discharges into this country's namesake gulf. Since 1932, this country has been known by a different name than its former name of Siam. For the point, name this Southeast Asian nation whose capital and largest city is Bangkok.

ANSWER: Kingdom of *Thailand*

(Tossup 18) This ruler's troops fired upon protesters led by Father Gapon in what became known as Bloody Sunday. This ruler was forced to sign the October Manifesto, establishing the Duma and limiting his power. Several imposters claimed to be this ruler's daughter Anastasia. Following defeats in World War I, this ruler abdicated and was later murdered with his family by the Bolsheviks. For the point, name this final Tsar of Russia.

ANSWER: *Nicholas II* of Russia (prompt on Nicholas)

(Tossup 19) This disease is treated with dapson, rifampicin, and clofazimine in six- and twelve-month intervals. This disease's pauci-bacillary and multi-bacillary forms are distinguished based on the number of numb patches that form. This disease is also known as Hansen's disease and can be spread by armadillos. For the point, name this skin disease, whose sufferers were formerly kept in isolated colonies.

ANSWER: *leprosy* (accept *Hansen's* disease before mentioned)

(Tossup 20) This story describes the "illimitable dominion" of "Darkness and Decay" that falls over an abbey owned by a man who has "out-Heroded Herod." A character in this short story is pursued by Prince Prospero through seven colorful rooms and stops near an ebony clock, where its bloodstained burial shroud falls away to reveal nothing beneath. For the point, name this Edgar Allan Poe short story in which a party is infiltrated by a specter of the title disease.

ANSWER: The *Masque of the Red Death*

(Tossup 21) This man had the dubious distinction of being the only American mentioned by name in Adolf Hitler's manifesto *Mein Kampf*. In order to allow his workers to afford the products they made, this man pioneered the \$5 daily wage. This industrialist once stated that customers could have a product in any color they wanted as long as it was black. For the point, name this automotive manufacturer, who oversaw the production of the Model T.

ANSWER: Henry *Ford*

(Tossup 22) This painting is set in a narrow room, with a pitcher full of spoons in the upper right and a small religious painting next to a clock on the left. In the center of this painting, a man with wispy, white hair hands a cup to a woman on the right, who is pouring tea or coffee. A child in the foreground of this painting partly covers a gray platter that holds small, white lumps that a couple on the left poke forks into. For the point, name this painting by Vincent Van Gogh in which five peasants gather around a plate of the title tubers.

ANSWER: The *Potato Eaters* (accept De *Aardappeleters*)

(Tossup 23) This poem considers whether elves would want to knock down the title structure, but concludes, “it’s not elves exactly.” This poem’s speaker states that his apple trees will never eat his neighbor’s pinecones while reconstructing the title structure with fallen stones. For the point, name this poem by Robert Frost that repeats the line “good fences make good neighbors.”

ANSWER: *Mending Wall*

(Tossup 24) This compound is formed in the troposphere when NO<sub>x</sub> (N-O-X) gases and VOCs react when sunlight is present. This compound causes the cracking of old rubber. Chlorofluorocarbons have resulted in a hole of this substance above Antarctica. One important use of this substance is to shield the earth from UV radiation. For the point, name this compound with formula O<sub>3</sub> that makes up a namesake layer within the stratosphere.

ANSWER: *Ozone*

(Tossup 25) A graph of the Tower of Hanoi puzzle forms a triangular version of this phenomenon, as the number of disks increases. In nature, these non-Fibonacci sets appear in the spiral of Romanesco broccoli, and the edges of Saturn’s rings. Examples of these features are the Mandelbrot set and a Sierpinski carpet or triangle. For the point, name this infinitely self-similar set, illustrated by zooming into an image forever showing a repeating pattern.

ANSWER: *Fractal*

(Tossup 26) This modern-day country’s Seven Great Temples were built in the seventh and eighth centuries in what was then the capital city of Nara. The Grand Temple of Izumi is in this country, whose shrines are often fronted by torii [toh-ree] gates. For the point, name this modern country whose “Golden Pavilion Temple,” or “Kinkaku-ji” is found in Kyoto, and whose citizens practice both Buddhism and Shinto.

ANSWER: *Japan* (accept *Nihon*-koku or *Nippon*-koku)

(Tossup 27) A convention in this city resulted in the acceptance of the Connecticut Compromise, which established a bicameral legislation. The Olive Branch Petition was drafted during a 1776 meeting in this city. The Second Continental Congress was hosted in this city’s Independence Hall. The Declaration of Independence was signed in, for the point, what largest city in Pennsylvania?

ANSWER: *Philadelphia*

(Tossup 28) Substances undergoing this process release energy equal to their enthalpy of fusion. Ethylene glycol can be used to prevent this process from occurring in motor vehicles. By lowering pressure before performing this process's "dry" form, food or medicines can be preserved. For the point, name this phase transition that happens to water at zero degrees Celsius, when water becomes ice.

ANSWER: **freezing** (accept word forms like **freeze**; accept word forms of **solidification**; accept word forms of **crystallization**)

(Tossup 29) In this novel, Gaspard is comforted by Defarge after the Marquis Saint Evremonde runs over his child with a carriage. In this novel, Lucie Manette is relieved when Charles Darnay is replaced at the guillotine by his lookalike, Sydney Carton. For the point, name this novel by Charles Dickens that says the French Revolution was "the best of times" and "the worst of times" while discussing its effect on Paris and London.

ANSWER: A ***Tale of Two Cities***

(Tossup 30) This event led to the deaths of Ida and Isidor Strauss, the then owners of Macy's. J. Bruce Ismay may have been able to prevent this event by lowering the central object's speed. The death toll of this event was increased due to an insufficient number of lifeboats, based on the belief that a certain vessel was "unsinkable." For the point, name this 1912 disaster where a massive passenger ship hit an iceberg.

ANSWER: sinking of the RMS ***Titanic*** (accept reasonable equivalents like *Titanic* disaster)

## Tiebreaker

(Tossup 1) This politician argued that the Alien and Sedition Acts were unconstitutional in the Virginia and Kentucky Resolutions. This politician wrote that Black and White people could not live together in peace in *Notes on the State of Virginia*. This man was the first to defeat an incumbent president in American history. For the point, name this author of the Declaration of Independence.

ANSWER: Thomas ***Jefferson***