

## Round 4

### First Half

(Tossup 1) **One writer from this country wrote an autobiographical essay titled *Sun and Steel*, while another writer from this country had his work adapted into a film directed by Martin Scorsese. That work from this country was *Silence*. Another writer from this country wrote (\*) *The Temple of the Golden Pavilion*.** For ten points, name this home country of Yukio Mishima who wrote about the aforementioned temple in Kyoto.

ANSWER: **Japan**

(Bonus 1) An author from this country wrote plays like *The Island* and *"Master Harold"...and the Boys*. For ten points each,

[Part A] Name this home country of Athol Fugard, as well as a woman who won the 1991 Nobel Prize in Literature for works like *July's People* that protested official segregation policies in this country.

ANSWER: **South Africa**

[Part B] This author of *July's People* described "How South African Censorship Works" in her essay "What Happened to Burger's Daughter."

ANSWER: Nadine **Gordimer**

[Part C] This South African writer won the 1999 Booker Prize for *Disgrace*, his portrait of a fired Cape Town professor who retreats to his daughter's farm in the countryside.

ANSWER: J.M. **Coetzee**

(Tossup 2) **The great oxygenation event was the likely cause of the "Huronian" one of these. Many of these events occurred cyclically during the Pleistocene epoch. The last major of these, the Wisconsin, produced remnants such as (\*) Lake Agassiz and also the modern Great Lakes.** For ten points, name these periods of Earth's geologic history that feature temperatures much lower than normal, sometimes including large glaciers covering much of the surface.

ANSWER: **Ice Age** (accept **glacial period**, accept **glaciation**)

(Bonus 2) The "hetero-" form of this substance can be classified as "facultative" or "constitutive." For ten points each,

[Part A] Name this highly condensed genetic substance, consisting of a nucleic acid wrapped tightly around histone proteins.

ANSWER: **chromatin** (accept **heterochromatin**; accept **euchromatin**)

[Part B] This double-helix shaped nucleic acid is tightly packed into chromatin. Rosalind Franklin's imaging of this molecule's structure helped Watson and Crick win the Nobel Prize for its discovery.

ANSWER: **DNA** (accept **deoxyribonucleic acid**)

[Part C] The constitutive form of heterochromatin is not usually expressed, and thus makes up this region at the center of the chromosome. This structure links together sister chromatids.

ANSWER: **centromere** (prompt on "kinetochore")

(Tossup 3) **This feature's "gold mountain ridge" section crosses extremely steep slopes. This structure's end at the Gulf of Zhili is considered the "First Pass Under Heaven". This structure's original name refers to its length of (\*) ten thousand li.** Its longest section stretches from Mount Hu to the Jiayu Pass. Qin Shihuangdi initiated the construction of, for ten points, what 4500-mile long fortification in Northern China?

ANSWER: **Great Wall of China** (accept **Wanli Changcheng**)

(Bonus 3) For ten points each, answer some questions about the Seven Wonders of the Ancient World.

[Part A] This wonder was an immense statue of the Sun God Helios which stood at the harbor of a Mediterranean island.

ANSWER: **Colossus** of Rhodes

[Part B] This wonder is the only one that survives until today and is located at Giza in Egypt.

ANSWER: **Great Pyramid** of Giza

[Part C] One of the wonders was a giant seated statue of this Greek god, located at Olympia. A common symbol of this god is his eagle.

ANSWER: **Zeus** (Accept **Statue of Zeus**)

(Tossup 4) **Eric Johnson wrote a recent bill for this state's legislature. In this state, Bobby Singleton made a failed attempt to filibuster a legislation which compared a medical procedure to genocide. This state's representative (\*) Terri Collins recently sponsored the aforementioned Human Life Protection Act, which was signed by governor Kay Ivey. A near-total abortion ban was recently passed in, for ten points, what "Yellowhammer State" with capital Montgomery?**

ANSWER: **Alabama**

(Bonus 4) This organization was established by the Maastricht Treaty. For ten points each,

[Part A] Name this regional organization that has its headquarters in Brussels and is led by individuals such as Jean Claude-Juncker and Donald Tusk.

ANSWER: **European Union** (Accept **EU**)

[Part B] Many EU countries are part of this area in which countries have abolished border control and adopted a common visa policy.

ANSWER: **Schengen** Area

[Part C] The recent European Parliament elections saw significant success for this British party recently founded by Nigel Farage. This party is named after an action which Britain intends to undertake.

ANSWER: **Brexit** Party

(Tossup 5) **This goddess placed the infant Erichthonius in a small chest which she entrusted to the three daughters of Cecrops. This goddess blinded Tiresias but gave him the gift of prophecy. This goddess's epithets include Glaukopis and (\*) Pallas, and she once won a competition against Poseidon by creating an olive tree. This goddess emerged fully-grown and armed from the head of her father, Zeus. For ten points, name this Greek goddess of wisdom.**

ANSWER: Athena

(Bonus 5) This man married the sorceress Medea. For ten points each,

[Part A] Name this hero who led the quest for the Golden Fleece.

ANSWER: Jason

[Part B] Jason was aided on his quest by this group of heroes who were named after their ship.

ANSWER: Argonauts

[Part C] Some legends claim that the Argonauts included this fleet-footed virgin huntress who was the only woman in the group.

ANSWER: Atalanta

(Tossup 6) **These numbers are placed in increasing order in Farey sequences. The root of a linear polynomial with integer coefficients must be this type of number. The Pythagoreans legendarily reacted violently upon learning that these numbers do not include the (\*) square root of 2. The set of these numbers is symbolized with a capital Q. For ten points, name these numbers that can be written as a quotient of two integers.**

ANSWER: rational numbers (prompt on “fractions”, prompt on “real numbers” until “do not include” is read)

(Bonus 6) The three of these segments meet at a point called the orthocenter. For ten points each,

[Part A] Identify this term for a line segment from one corner of a triangle that is perpendicular to the other side. The lengths of these segments are used to measure a triangle's height.

ANSWER: altitudes

[Part B] Two of the altitudes lie on the outside of the triangle when the triangle is of this type. This type of triangle has an angle measuring greater than 90 degrees.

ANSWER: obtuse

[Part C] An altitude divides a triangle into two congruent halves when the triangle is of this type. This type of triangle is named for the fact that it has a pair of sides with the same length.

ANSWER: isosceles

(Tossup 7) **A character in this work states “The Texan turned out to be good-natured, generous and likable. In three days no one could stand him.” In this work, an IBM machine with a sense of humor promotes a character whose name is a military rank repeated multiple times. (\*) Major Major Major appears in this work along with Milo Minderbinder and Colonel Cathcart who commands an Air Force base on Pianosa. For ten points, name this novel about Captain John Yossarian by Joseph Heller.**

ANSWER: Catch-22

(Bonus 7) A character in this work lives in the fictional New England town of Ramsdale. For ten points each,

[Part A] Name this novel about Professor Humbert Humbert and his obsession with Dolores Haze that was first banned in England and continues to generate controversy to this day.

ANSWER: **Lolita**

[Part B] This author of *Lolita* wrote a memoir titled *Speak, Memory*.

ANSWER: Vladimir **Nabokov**

[Part C] This meta-novel by Nabokov consists of a 999-line poem by fictional author John Shade, bookended by an introduction and extensive appendix by an insane academic who completely misinterprets the poem

ANSWER: **Pale Fire**

## Sixty-Second Rounds

The categories are . . .

1. Jane Eyre
2. National Flags
3. Phobias

JANE EYRE

Name the...

(1) Author of Jane Eyre.

ANSWER: **Charlotte Bronte** (Accept **Currer Bell**, prompt on “Bronte” or “Bell”)

(2) Rich gentleman who Jane falls in love with and eventually marries.

ANSWER: **Edward Rochester** (Accept either underlined section)

(3) Insane woman who set Thornfield Hall on fire and committed suicide by jumping off the roof. ANSWER: **Bertha Mason** (Accept either underlined section)

(4) Student at Lowood and Jane’s best friend who dies of consumption.

ANSWER: **Helen Burns** (Accept either underlined section)

(5) Seamstress who seems to be laughing on the third floor of Thornfield Hall.

ANSWER: **Grace Poole** (Accept either underlined section)

(6) French child who Jane serves as governess to at Thornfield Hall.

ANSWER: **Adele Varens** (Accept either underlined section)

## NATIONAL FLAGS

Name the country whose flag...

(1) Contains a blue Star of

David ANSWER: **Israel**

(2) Contains a red maple leaf in the

middle ANSWER: **Canada**

(3) Is the only non-rectangular national

flag ANSWER: **Nepal**

(4) Has a sole yellow star in the center against a red

field ANSWER: **Vietnam**

(5) Contains a map of its country, a Mediterranean island, on its

flag ANSWER: **Cyprus**

(6) Is the only national flag to have none of the three colors: red, white or blue. Its country lies in the Western Hemisphere.

ANSWER: **Jamaica**

## PHOBIAS

Name the...

(1) Language from which the word “phobia” comes from in which it means “fear.”

ANSWER: **Greek**

(2) Phobia that is the fear of spiders.

ANSWER: **Arachnophobia**

(3) Phobia that is the fear of heights.

ANSWER: **Acrophobia**

(4) Phobia that is the fear of unsafe environments, usually exemplified by open spaces.

ANSWER: **Agoraphobia**

(5) Class of drug often prescribed to those suffering from phobias. This “inhibitor” is more commonly used as an antidepressant.

ANSWER: **SSRIs** (Accept **selective serotonin reuptake inhibitors**)

(6) Type of therapy used to treat some phobias that involves making contact with the anxiety source.

ANSWER: **Exposure** Therapy

## Second Half

(Tossup 8) **One of these objects named the Conqueror destroyed the ARA General Belgrano. These vehicles enjoyed the First and Second Happy Time under the leadership of Karl Donitz. These vehicles frequently operated in (\*) “wolf packs” and were countered by the convoy system during the Battle of the Atlantic. One of these vehicles sank the cruise liner Lusitania. For ten points, name this type of naval vessels which included U-Boats.**

ANSWER: **Submarines** (Do not accept U-Boats, HMS Conqueror was not a U-Boat)

(Bonus 8) This organization initiated the Partnership for Peace program. For ten points each,

[Part A] Name this military alliance with headquarters in Belgium. This organization employs a system of “collective defense” and was established with the 1949 North Atlantic Treaty.

ANSWER: **NATO** (Accept **North Atlantic Treaty Organization**)

[Part B] During the Cold War, NATO faced off against this military alliance of Communist countries named for a Polish city.

ANSWER: **Warsaw Pact** (Accept **Treaty of Friendship, Cooperation and Mutual Assistance**)

[Part C] In 1998, NATO intervened in a conflict in this partially-recognized Balkan country currently claimed by Serbia.

ANSWER: **Kosovo**

(Tossup 9) **Some animals that fail to fulfill this concept are known as Terefah. The slaughtering of animals in accordance with this concept is known as “Shechita”. Mammals that both ruminant and have cloven (\*) hooves fulfill this concept, while fish need to have both scales and fins to fulfill it. This concept forbids the consumption of meat and dairy in the same meal. For ten points, give this term for foods that are fit for consumption under Jewish laws.**

ANSWER: **Kosher** (Accept **Kashrut**)

(Bonus 9) King Bera and Birsha were rulers of these two cities. For ten points each,

[Part A] Name these two cities which were destroyed by God with a rain of fire and brimstone due to their sins.

ANSWER: **Sodom** and **Gomorrah**

[Part B] At the urging of the Angels, this biblical figure fled Sodom with his family before it was destroyed. This man later impregnated both of his daughters.

ANSWER: **Lot**

[Part C] During their escape, Lot’s Wife looked back at Sodom and Gomorrah and was turned into a pillar of this substance.

ANSWER: **Salt**

(Tossup 10) **This composer's birthday hymn to Hapsburg Emperor Francis II became the national anthem of Austria and Germany. After spending time in the service of the Esterhazy family, this composer of *The Seasons* and (\*) *The Creation* travelled to England where he composed his 12 *London* symphonies. For ten points, what Austrian composer often called the "Father of the String Quartet" wrote the *Farewell* and *Surprise* symphonies?**

ANSWER: Joseph **Haydn**

(Bonus 10) This composer created works such as *Renard* and *Les Noces*. For ten points each,

[Part A] Name this Russian composer of *Petrushka*.

ANSWER: Igor **Stravinsky**

[Part B] This Stravinsky ballet legendarily caused a riot at its Paris premiere and is named for a season. ANSWER: The **Rite of Spring** (Accept Le **Sacre du printemps**)

[Part C] This other Stravinsky ballet features Prince Ivan, who captures and spares the title creature.

ANSWER: The **Firebird** (Accept **L'Oiseau de feu**)

(Tossup 11) **This quantity is lower for the total mixture than it is for any single component in a positive azeotrope. Adding solute to a liquid increases this quantity, called its namesake "elevation." Separation by fractional distillation relies on differences in this quantity. At this point, the (\*) vapor pressure of a liquid equals the surrounding pressure. For ten points, name this temperature at which a liquid becomes a gas, which is 100 degrees Celsius for water.**

ANSWER: **boiling point**

(Bonus 11) Chemistry classes often have titration reactions for lab reports. For ten points each,

[Part A] Name the type of substance that neutralizes acids during titration. These substances have a pH above 7, and they dissociate  $\text{OH}^-$  [O H minus] ions.

ANSWER: **Base**

[Part B] When bases or acids are present, these substances change color to reflect pH changes. These substances include phenolphthalein [fee-nol-THAY-leen], which turns pink.

ANSWER: **Indicators**

[Part C] Indicators change color at the endpoint or at this point during titration. This point is where the number of moles of titrant is equal to the moles of the solution being neutralized.

ANSWER: **equivalence** point (accept **stoichiometric** point)

(Tossup 12) **A band played "La Marseillaise" on this man's arrival in Finland Station on a train from Zurich. This leader implemented "war communism" through the New Economic Policy to combat famine, and his leadership was challenged by the Tambov and (\*) Kronstadt Rebellions. This leader forced out Alexander Kerensky after overthrowing Nicholas II in the October Revolution. For ten points, name this first premier of the Soviet Union and Bolshevik leader of the Russian Revolution.**

ANSWER: Vladimir **Lenin** (or Vladimir Ilyich **Ulyanov**)

(Bonus 12) While visiting Canada, this man controversially said “Vive le Quebec libre”. For ten points each,

[Part A] Name this French President who signed the Evian Accords and led the Free French Forces during World War II.

ANSWER: Charles **de Gaulle**

[Part B] Charles de Gaulle was sentenced to death by the collaborationist Vichy French government which was led by this Marshal of France. This man was nicknamed “The Lion of Verdun”.

ANSWER: Philippe **Pétain**

[Part C] German forces used this strategy to swiftly defeat France during World War II. This strategy’s name translates as “Lightning War”.

ANSWER: **Blitzkrieg**

(Tossup 13) **This author wrote a work in which Gerald Arbuthnot is revealed as the illegitimate son of Lord Illingworth. This author of *A Woman of No Importance* also wrote a work in which Sibyl commits suicide after being rejected by “Prince Charming”. That work by this author features a (\*) title object which grows more hideous with every vice committed by the main character. For ten points, name this author of *The Importance of Being Earnest* and *The Picture of Dorian Grey*.**

ANSWER: Oscar **Wilde**

(Bonus 13) This English author changed the names of existing towns in southwest England to create an imaginary world for his own novels. For ten points each,

[Part A] Name this creator of the fictional region of Wessex. This man was so irritated by the critical reception to his last novel, *Jude the Obscure* that he only wrote poems for the rest of his life.

ANSWER: Thomas **Hardy**

[Part B] This Hardy novel begins when a drunken Michael Henchard auctions off his wife and daughter. He later becomes a successful merchant and important official in the title Wessex town.

ANSWER: **The Mayor of Casterbridge**

[Part C] The title girl in this Hardy novel murders Alec and is eventually captured by police at Stonehenge.

ANSWER: **Tess of the d’Urbervilles**

(Tossup 14) **Species of these animals in the family Tytonidae have heart shaped faces. These animals make up the order Strigiformes. The Scops ones of these animals are found in their largest genus, (\*) *Otus*. These animals’ large blood vessels around the neck joint allows their heads to rotate a 270 degree range. For ten points, name these animals which include the “snowy” and “barn” and “great horned” types, nocturnal birds of prey that go “hoot”.**

ANSWER: **owls** (prompt on bird before mentioned)



(Bonus 14) Brown bears can be found in this biome. For ten points each,

[Part A] Name this largest land biome in the world. This biome is characterized by coniferous forests. ANSWER: **Taiga** (Accept **Boreal Forest**)

[Part B] This biome lies further north of the taiga. This biome can be split into three types, including the “Arctic” and “Antarctic” types.

ANSWER: **Tundra**

[Part C] This other type of Tundra does not contain trees due to its high elevation and is named after a mountain range.

ANSWER: **Alpine** Tundra

## Tiebreakers

(Tossup 15) **This 1931 painting, found in the Museum of Modern Art, has a landscape based on the coast of Cape Creus in Catalonia. An interest in nuclear physics inspired a revision to this painting titled for its “Disintegration.” In this painting, (\*) ants cover a watch placed on a table next to a soft clock. For ten points, name this Surrealist painting, the most famous by Salvador Dali.**

ANSWER: The **Persistence of Memory** (accept La **persistencia de la memoria**)

(Bonus 15) This painting used the dentist Byron McKeeby and the artist’s sister Nan as models. For ten points each,

[Part A] Name this painting that shows a farmer holding a pitchfork next to his daughter in front of a farmhouse.

ANSWER: **American Gothic**

[Part B] *American Gothic* was painted by this American artist, who also painted Parson Weems’ Fable.

ANSWER: Grant **Wood**

[Part C] Grant Wood satirized Emanuel Leutze’s painting *Washington Crossing the Delaware* in this painting, which depicted three old women.

ANSWER: **Daughters of Revolution**