

## Round 2

### Tossups

(Tossup 1) The SED was the governing party of this former country for the entire duration of its existence. Walter Ulbricht was a longtime leader of this former country, and he was succeeded by Erich Honecker. The capital of this former country was once separated from a neighboring enclave by a famous wall. This former European country was reunified with its western neighbor at the end of the Cold War. For the point, name this former communist country which once controlled East Berlin.

ANSWER: **East Germany** (accept **German Democratic Republic**; prompt on **GDR**; do not accept or prompt on “Germany” alone)

(Tossup 2) In a novel by this author, one character proclaims that everyone should kill each other on National Suicide Day. In another novel by this author, marigold seeds fail to bloom, which parallels the premature death of Pecola’s baby. This author of *Sula* wrote about how a spirit haunts 124 Bluestone Road years after Sethe kills her infant daughter. For the point, name this African-American author of *The Bluest Eye* and *Beloved*.

ANSWER: Toni **Morrison** (or Chloe Ardelia **Wofford**)

(Tossup 3) The Lucas numbers are similar to these numbers, though they are generated with different initial values. Numbers in this sequence can be calculated by Binet’s formula. These numbers are the sum of the shallow diagonals of Pascal’s triangle, and as these numbers go to infinity, the ratio between these numbers approaches the golden ratio. For the point, name these numbers that begin 1, 1, 2, 3, 5, 8.

ANSWER: **Fibonacci** numbers (accept **Fibonacci** sequence)

(Tossup 4) A composer from this country used 52 strings to depict an atomic bomb in Threnody to the Victims of Hiroshima. Examples of a 3/4 dance named for this country include “Military” and “Heroic” by a composer who depicted this country in 27 etudes like “Black Key” and “Torrent.” The “Revolutionary” etude depicts the November Uprising in this country. For the point, name this home country of Frederic Chopin who composed many polonaises.

ANSWER: **Poland** [accept **Polska**]

(Tossup 5) A type of bonding named for these molecules occurs when two atoms have an electronegativity difference greater than 1.8. Dissolving a salt creates these molecules, which are formed by accepting or donating electrons. The endings “ate” and “ide” refer to negative types of these things, and molecular species like hydronium and phosphate are examples of, for the point, what atoms or molecules with positive or negative charges?

ANSWER: **ions** (accept **ionic** bond)

(Tossup 6) This novel's main character calls Stradlater a "secret slob." At this novel's end, its protagonist takes his sister to a carousel. That protagonist of this novel writes that he "cannot seem to get very interested in" the Egyptians before he flunks out of Pencey Prep. The main character wonders where the ducks go in winter and writes on Allie's baseball glove in, for the point, what J. D. Salinger novel about Holden Caulfield?

ANSWER: The Catcher in the Rye

(Tossup 7) In this country, chemical weapons were allegedly used during the attack on Ghouta. Russian forces in this country are based at Khmeimim Air Base and the port of Tartus. This country's largest city was the site of a 4 year long battle known as the Battle of Aleppo. Regime forces in this country are supported by Russian and Iranian forces in its civil war against opposition groups such as the FSA and ISIS. For the point, name this country where Bashar Al-Assad's government rules from Damascus.

ANSWER: Syria

(Tossup 8) This man's body was evacuated to Tyumen during World War II and returned to his namesake mausoleum after the war. In his final years, this leader implemented the market-oriented New Economic Policy. This man's government signed the Treaty of Brest-Litovsk after he overthrew Alexander Kerensky's provisional government during the October Revolution. For the point, name this leader of the Bolsheviks and first leader of the Soviet Union.

ANSWER: Vladimir Lenin

(Tossup 9) Adherents of this denomination believe the event at Ghadir Khumm was where its founder named his rightful successor. The Mourning of Muharram marks the death of Husayn at the Battle of Karbala for members of this denomination. The Twelver sect is the largest group within this denomination, which is prevalent in Iran. This denomination believes that Ali was the rightful successor of Prophet Muhammad. For the point, name this branch of Islam, often contrasted with the Sunni variant.

ANSWER: Shia Islam (accept Shi'ite Islam; prompt on "Islam" alone; do not accept or prompt on "Sunni (Islam)")

(Tossup 10) The trisomy of number 21 of these structures results in Down syndrome. Hemophilia and red-green color blindness are recessive diseases of the X type of these structures, of which females have two. The presence of a Y one of these structures, however, leads to male offspring. For the point, name these structures which are DNA molecules with part or all of the genetic material of an organism.

ANSWER: chromosomes

(Tossup 11) During this conflict, the command, "You may fire when ready, Gridley" was given during a decisive victory for Commodore Dewey at the Battle of Manila Bay. This conflict ended with the Treaty of Paris, in which the US gained control of Puerto Rico, Guam, and the Philippines. The explosion of the USS Maine in Havana harbor sparked this conflict. For the point, name this 1898 conflict between the United States and a European power based on the Iberian peninsula.

ANSWER: Spanish-American War

(Tossup 12) In this state, the Saranac River flows through Oseetah Lake before emptying at the city of Plattsburgh. Oneida, Seneca, and Cayuga Lakes are part of a group of 11 appendage-like lakes in this state. This state's ski resort town of Lake Placid and Mount Marcy are both located in the Adirondack Mountains, and settlers moved west from the Hudson Valley through the Erie Canal in this state. For the point, name this Mid-Atlantic state with capital Albany.

ANSWER: New York

(Tossup 13) A number of cattle belonging to this god were stolen by the infant Hermes who later gave him a lyre in exchange. This god pursued the nymph Daphne who changed herself into a laurel tree to escape. The Oracle of Delphi was legendarily established at the site where this god slew the monster Python. This son of Zeus and Leto was the twin brother of Artemis. For the point, name this Greek god of music, prophecy, healing, and light.

ANSWER: Apollo

(Tossup 14) A Wolter telescope causes X-rays to undergo this phenomenon at shallow angles. If a wave strikes a surface at an angle larger than a critical angle, a "total internal" kind of this phenomenon occurs. For the specular type of this phenomenon, the angle of incidence is equal to the angle of the phenomenon. Periscopes make use of, for the point, what phenomenon that occurs when a ray of light bounces off a surface like a mirror?

ANSWER: Reflection

(Tossup 15) A member of this country's ruling family was assassinated using VX nerve agent in Kuala Lumpur International Airport in 2017. In February 2019, this country's leader travelled to Hanoi by train for his second meeting with President Donald Trump. The first meeting between this country's leader and Trump occurred in Singapore in 2018, where this country's denuclearization was discussed. For the point, name this country currently led by Kim Jong-un.

ANSWER: North Korea (accept Democratic People's Republic of Korea; accept DPRK; prompt on "Korea" alone; do not accept or prompt on "Republic of Korea" or "ROK")

(Tossup 16) The protagonist of this opera sings the aria "En vain pour eviter" after drawing a fortune-telling card that predicts her own death. That character in this opera makes her entrance by singing the aria "Love is a rebellious bird" in her Habanera. In this opera, Don Jose kills the title cigarette factory worker after choosing Escamillo, a Toreador. For the point, name this opera about the title gypsy by Georges Bizet.

ANSWER: Carmen

(Tossup 17) This nation's navy mutinied in the Revolt of the Lash, and it initiated the South American dreadnought race by purchasing the Minas Gerais class battleship. Princess Isabel abolished slavery in this country by signing the Golden Law in 1888. Dom Pedro I was the first emperor of this country after it gained its independence from Portugal. For the point, name this South American country where Pedro II ruled from Rio de Janeiro.

ANSWER: Brazil

(Tossup 18) This man died before he could publish his own journal, *The Stylus*. One work by this man speaks of a character whose “highborn kinsman” came and “shut her up in a sepulchre. / In this kingdom by the sea”. Another poem by this man asks “is there balm in Gilead” and features an animal which “Perched upon a bust of Pallas” and repeats the word “nevermore”. For the point, name this American author of *Annabel Lee* and *The Raven*.

ANSWER: Edgar Allan Poe

(Tossup 19) One legend claims that Hera replaced this person with an eidolon while Hermes took her to Egypt where she stayed during a 10-year long conflict. This person’s suitors were made to swear the Oath of Tyndareus. This character was the mother of Hermione and daughter of Leda, and she returned to Sparta with her husband after the fall of Troy. For the point, name this wife of Menelaus whose abduction by Paris led to the Trojan War.

ANSWER: Helen of Troy

(Tossup 20) The ROVs Kaiko and Nereus were the second and third vehicles to reach the bottom of this feature. The deepest part of this feature was measured in 1951 by the Challenger II, thus earning its name Challenger Deep. This point was reached by Don Walsh and Jacques Piccard aboard the Trieste bathyscaphe. For the point, name this oceanic feature near Guam in the West Pacific Ocean, the deepest trench in the world.

ANSWER: Marianas Trench (accept Marianas alone after “trench” is read)

(Tossup 21) One building in this city includes a “grand foyer” lined with symmetrical golden chandeliers designed by Charles Garnier. This city’s avenues were widened by Baron Haussmann. This city’s Pont Neuf passes over its oldest portion called Île de la Cité [EEL de lah see-TAY]. This city, divided into arrondissements, is famous for its Champs-Élysées which ends at the Arc de Triomphe. For the point, name this city home to the Eiffel Tower, the capital of France.

ANSWER: Paris

(Tossup 22) A decrease in count of these type of cells is called leukopenia. The two broadest categories of these cells are divided into neutrophils, eosinophils, basophils, lymphocytes, and monocytes. A variant of these types of cells come in cytotoxic and helper varieties, while another variant, the B-cell, is involved in the humoral response and secreting antibodies. For the point, name these colored blood cells of the immune system.

ANSWER: white blood cells (accept leukocytes)

(Tossup 23) One poem by this author features a character who claims “Tis not too late to seek a newer world” and promises “to strive, to seek, to find, and not to yield”. Another poem by this author contains the line “Tis better to have loved and lost / Than never to have loved at all”. This author of *Ulysses* and *In Memoriam A.H.H* famously wrote about “six hundred” who rode into the “Valley of Death”. For the point, name this former British Poet Laureate who wrote *The Charge of the Light Brigade*.

ANSWER: Alfred, Lord Tennyson

(Tossup 24) Lewis Armistead was killed during this battle. Devil's Den, Little Round Top, and the Peach Orchard were sites of heavy fighting in this battle. The "high water mark of the Confederacy" marks the furthest point reached by Confederate forces during an attack on Cemetery Ridge in this battle known as Pickett's Charge. George Meade's Army of the Potomac defeated Lee's Army of Northern Virginia in, for the point, what 1863 battle often described as the Civil War's turning point?

ANSWER: Battle of Gettysburg

(Tossup 25) Other planned names for this object include Minerva and Cronus before its current name was chosen. This object was discovered by Clyde Tombaugh in 1930, and the discovery of Eris changed the classification of this object. New Horizons was the first spacecraft to fly by this object. This object in the Kuiper Belt has a binary system with its moon, Charon. For the point, name this former ninth planet from the sun, now a dwarf planet.

ANSWER: Pluto

(Tossup 26) One battle in this city occurred on New Year's Eve, 1775, and resulted in the death of Richard Montgomery. Although James Wolfe died during a battle fought outside this city, his forces were able to defeat those of Louis-Joseph de Montcalm during the Battle of the Plains of Abraham. For the point, name this Francophone city on the St. Lawrence River that was founded by Samuel de Champlain in 1608.

ANSWER: Quebec City

(Tossup 27) This artist installed a Japanese footbridge over a river at one home, so that he could paint it and the flowers under it. A painting of Le Havre harbor at sunrise by this artist gave its name to an art movement. This artist painted the Rouen Cathedral at different times of the day, and painted series of objects like poplars and haystacks. For the point, name this artist of Impression, Sunrise and Water Lilies.

ANSWER: Oscar-Claude Monet (do not accept Edouard Manet)

(Tossup 28) One character in this work kills Paris after Paris confronts him at a crypt. Prince Escalus rules the city in which this work is set. In this work, a character attends a ball in order to meet Rosaline but falls in love with the cousin of Tybalt. The suicide of this play's two protagonists leads to the reconciliation of the Montague and Capulet families. For the point, name this Shakespeare work about two title lovers from rival houses.

ANSWER: Romeo and Juliet

(Tossup 29) The impact of this event was worsened by the Smoot-Hawley Tariff and the Dust Bowl. Many Hoovervilles were built during this event, which began during the term of President Hoover. The Wall Street Crash marked the start of this event, which President Roosevelt attempted to end using the New Deal. For the point, name this severe economic downturn that took place mostly in the 1930s.

ANSWER: Great Depression

(Tossup 30) Thales' theorem concerns creating right triangles inside of these shapes. One cannot construct a square with the same area as one of these shapes. The polar equation  $r = \cos \theta$  produces one of these shapes. This shape has eccentricity 0 and has the highest ratio of area to perimeter. This two-dimensional shape consists of all points equidistant from a single point in a plane. For the point, name these shapes which have area  $\pi r^2$ .

ANSWER: circle (do not accept "ellipse"; do not accept "sphere")

## Tiebreakers

(Tossup 31) Near the end of this story, a group of lodgers is chased away by a character who is attracted to the violin playing of his sister Grete. That character is permanently disabled after his father throws apples at him. A traveling salesman in this story wakes up from "uneasy dreams" to discover that he is a "monstrous vermin." For the point, name this story about Gregor Samsa by Franz Kafka, who turns into a bug.

ANSWER: The Metamorphosis [or Die Verwandlung]