

# Round 7

## First Half

(Tossup 1) **This President disavowed captain Wilkes in order to defuse the Trent affair and he famously suspended the writ of habeas corpus. He held a series of debates against (\*) Stephen Douglas and later defeated George McClellan in the 1864 elections. This President was assassinated while watching a play in Ford's Theatre by John Wilkes Booth. For the point, name this President who led the USA during the Civil War.**

ANSWER: Abraham Lincoln

(Bonus 1) This leader was captured during the Battle of Cajamarca. For ten points each,

[Part A] Name this leader who won the War of the Two Brothers and was killed by conquistadors despite offering to fill a large room with gold and silver as ransom.

ANSWER: Atahualpa

[Part B] Atahualpa was a leader of this largest empire in pre-Columbian America with capital Cuzco.

ANSWER: Inca Empire (Accept Incan Empire)

[Part C] The Incan empire was conquered by this conquistador, who was aided by his brothers Gonzalo and Hernando.

ANSWER: Francisco Pizarro

(Tossup 2) **The Milwaukee protocol for treating this disease involves putting patients in a drug-induced coma. This disease is caused by the bullet-shaped Lyssavirus, and leads to inflammation of the brain. Louis Pasteur used samples from infected rabbits to create a vaccine for this disease, which was historically called (\*) hydrophobia. For ten points, name this viral disease often spread by dog and bat bites, which can cause foaming at the mouth.**

ANSWER: rabies

(Bonus 2) This type of substance is not permanently consumed during a chemical reaction, which allows it to be used repeatedly. For ten points each,

[Part A] Name this type of substance that increases the rate of a chemical reaction.

ANSWER: catalyst

[Part B] Catalysts reduce this type of energy, which is the minimum energy required for reactants to undergo a specific reaction

ANSWER: activation energy (accept energy of activation)

[Part C] Activation energy is needed to reach the activated complex on a diagram named after this type of energy. This type of energy changes as the reaction coordinate or reaction pathway progresses.

ANSWER: potential energy

(Tossup 3) **Marco stabs a Brooklyn dock worker named Eddie Carbone at the end of this man's play *A View from the Bridge*. In a play by this author, one character steals a fountain pen from his former boss, and plans to open a business in Florida with his brother Happy. That son, (\*) Biff, carries his mother Linda away from his father's funeral as she sobs repeatedly, "We're free." Willy Loman kills himself in, for ten points, what author's play *Death of a Salesman*?**

ANSWER: Arthur Miller

(Bonus 3) The Battle of the Windmill occurs in this work. For ten points each,

[Part A] Name this work in which Napoleon the pig drives out his rival Snowball and promotes the ideology of Animalism.

ANSWER: Animal Farm

[Part B] *Animal Farm* was written by this British author who fought in the Spanish Civil War and wrote *Homage to Catalonia*.

ANSWER: George Orwell

[Part C] In *Animal Farm*, this loyal and hardworking horse is sold by Napoleon to the knacker after he is injured.

ANSWER: Boxer

(Tossup 4) **The Iranian Government confiscated this artist's *Mural on Indian Red Ground*. Hans Namuth photographed this man, who was married to Lee Krasner. One of his canvases is divided by seven title *Blue Poles*. A line from *The Tempest* inspired his work (\*) *Full Fathom Five*. He pioneered "action painting" in his painting *Lavender Mist*. For ten points, name this Abstract Expressionist artist nicknamed "Jack the Dripper."**

ANSWER: Paul Jackson Pollock

(Bonus 4) In this work, a convex mirror can be seen on the wall behind the two central figures. For ten points each,

[Part A] Name this artwork featuring the wedding of a woman in a green dress and her husband, an Italian merchant based in Bruges.

ANSWER: The Arnolfini Wedding (Accept Arnolfini Portrait, accept Arnolfini Marriage, accept Portrait of Giovanni Arnolfini and his Wife)

[Part B] *The Arnolfini Wedding* was painted by this Dutch painter who also created the *Ghent Altarpiece*

ANSWER: Jan van Eyck

[Part C] In the central panel of the *Ghent Altarpiece*, Jan Van Eyck painted a scene featuring this animal. Jesus Christ is often described as this animal "of god".

ANSWER: Lamb

(Tossup 5) **Warning: Two answers required. A 2019 standoff between these two countries began after the Pulwama attack and led to one of these countries attacking the other in the Balakot airstrike. Fighting between these two countries has frequently occurred at the (\*)** Siachen glacier. These two nuclear-armed countries are separated by the Line of Control in the disputed region of Kashmir. For ten points, name these two neighboring South Asian countries currently led by Imran Khan and Narendra Modi.

ANSWER: India and Pakistan

(Bonus 5) This man formulated a model of the psyche comprising Id, Ego, and Super-ego. For ten points each,

[Part A] Name this founder of psychoanalysis who formulated the Oedipus Complex.

ANSWER: Sigmund Freud

[Part B] Sigmund Freud lived and worked in this country until he fled to the UK in 1938 to escape the Nazis.

ANSWER: Austria

[Part C] In 1899, Sigmund Freud wrote a work on interpreting these events. These events usually occur when one is asleep.

ANSWER: Dreams

(Tossup 6) **A central figure in this faith is named Theotokos, and Agni Parthene is a hymn about that figure. Vladimir the Great converted to this religion along with the Kievan Rus in around 988 AD. This religion rejects the (\*)** Filioque clause, believing that Holy Spirit proceeds only from the Father but not the son. For ten points, name this branch of Christianity which split from the Catholic Church in the Great Schism of 1054.

ANSWER: Eastern Orthodox (Catholic) Church (accept Orthodox Catholic Church; prompt on “Christianity”; do not accept or prompt on “Roman Catholicism” or “Roman Catholic Church”)

(Bonus 6) Many religions have rules regarding diet. For ten points each,

[Part A] Name this set of Jewish religious dietary laws which prohibits consumption of animals like pigs and hares and requires animals to be slaughtered using the shechita process.

ANSWER: Kosher (Accept Kashrut)

[Part B] In Hinduism, this animal is considered sacred and as such cannot be killed or eaten.

ANSWER: Cows (Accept Cattle)

[Part C] In Islam, this word is associated with food which is permissible or lawful to eat. This word is contrasted with the word Haram.

ANSWER: Halal

(Tossup 7) **Thomas Phelippes deciphered messages sent in a failed assassination attempt on this ruler, who was also targeted by Roberto Ridolfi. At a speech in Tillbury, this ruler claimed to have (\*)** “the heart and stomach of a king.” William Cecil advised this ruler who was targeted in the failed Babington Plot This daughter of Anne Boleyn succeeded her half-sister Mary. For ten points, name this queen of England for much of the late 1500s.

ANSWER: Queen Elizabeth I (prompt on Elizabeth alone)

(Bonus 7) In his farewell address, this President warned of the influence of the military-industrial complex. For ten points each,

[Part A] Name this Republican President who succeeded Harry S. Truman. This President had earlier served as a general during World War II.

ANSWER: Dwight David Eisenhower

[Part B] Eisenhower served as Supreme Allied Commander during this 1944 event in which Allied forces launched a massive amphibious invasion across the English Channel.

ANSWER: D-Day (Accept Operation Overlord, accept Operation Neptune)

[Part C] Eisenhower was inspired by the German Autobahn system to create this system of highways in the United States.

ANSWER: Interstate Highway system

(Tossup 8) **In this novel, a crowd chants “We want the whip” after one character’s self-flagellation is filmed. Podsnap’s Technique is used to increase the birthrate of people in this novel created through the Bokanovsky Process. In this novel, Mustapha Mond runs a society where people take the drug (\*)** soma in the year 632 After Ford. For ten points, name this dystopian novel which follows Bernard Marx and John the Savage by Aldous Huxley.

ANSWER: Brave New World

(Bonus 8) This work’s title character has an affair with Count Vronsky. For ten points each,

[Part A] Name this work about a title Russian countess which begins with “Happy families are all alike; every unhappy family is unhappy in its own way”.

ANSWER: Anna Karenina

[Part B] Countess Anna Karenina ultimately commits suicide via this method.

ANSWER: Jumping in front of a train (Accept clear-knowledge equivalents)

[Part C] *Anna Karenina* was written by this Russian author who also wrote *The Death of Ivan Ilyich*

ANSWER: Leo Tolstoy

## Sixty-Second Rounds

The categories are . . .

1. Romantic poets
2. Famous Romans
3. Nobel Laureates in the Sciences

### ROMANTIC POETS

Name the...

(1) Poet who wrote “Beauty is truth, truth beauty” in “Ode on a Grecian Urn.”

ANSWER: John Keats

(2) Keats poem about an “immortal bird” who “wast not born for death.”

ANSWER: Ode to a Nightingale

(3) Author of “The Prelude” and “Tintern Abbey.”

ANSWER: William Wordsworth

(4) Collaborator with Wordsworth on Lyrical Ballads who wrote “Frost at Midnight.”

ANSWER: Samuel Taylor Coleridge

(5) Title bird of a Percy Shelley poem that begins “Hail to thee, blithe spirit!”

ANSWER: Skylark

(6) Poet who wrote a three-stanza poem about “a love whose heart is innocent” titled *She Walks in Beauty*.

ANSWER: Lord Byron

## FAMOUS ROMANS

Name the...

(1) Man who legendarily founded Rome and murdered his twin brother Remus.

ANSWER: **Romulus**

(2) Title held by Tarquinius Superbus whose overthrow led to Rome becoming a Republic.

ANSWER: **King** of Rome (Do not accept Emperor)

(3) First emperor to convert to Christianity who renamed the city of Byzantium after himself.

ANSWER: **Constantine I**

(4) Emperor who appointed his horse Incitatus as consul and ordered his troops to collect seashells.

ANSWER: **Caligula**

(5) Emperor who wrote the philosophy work Meditations, the last of the Five Good Emperors.

ANSWER: Marcus **Aurelius**

(6) Emperor under whom Rome reached its largest territorial extent, the second of the Five Good Emperors.

ANSWER: **Trajan**

## NOBEL LAUREATES IN THE SCIENCES

Name the Nobel Laureate who...

(1) Developed the theory of relativity and the photoelectric effect.

ANSWER: Albert **Einstein**

(2) Investigated the atomic structure, including a model of the hydrogen atom that bears his name.

ANSWER: Niels **Bohr**

(3) Created quantum mechanics, which included his publication of the Uncertainty Principle.

ANSWER: Werner **Heisenberg**

(4) Worked on the physiology of digestion, which later led to his more famous work. He was the first Russian Nobel Laureate

ANSWER: Ivan **Pavlov**

(5) Has a particle named for him that is nicknamed “the God Particle”, a British theoretical physicist

ANSWER: Peter **Higgs**

(6) Is the only American female scientist to win an unshared Nobel Prize, which she won due to the discovery of mobile genetic elements or transposons.

ANSWER: Barbara **McClintock**

## Second Half

(Tossup 9) **This object contains modules such as Zarya, Zvezda, and Kibo. This object's Mobile Servicing System is the second named Canadarm. The first manned journey to this object was Expedition 1. Nowadays, the only way people go to this object is through (\*) Soyuz vehicles. Agencies such as ESA and NASA collaborated to create this object, which is the largest object currently in low-Earth orbit. For ten points, name this man-made habitat in space.**

ANSWER: International Space Station (accept ISS)

(Bonus 9) In a book "On the Origin of" these groups, Charles Darwin said that they become "distinct" through the process of natural selection. For ten points each,

[Part A] Name this smallest taxonomic rank, examples of which include *Escherichia coli* and *Homo sapiens*.

ANSWER: species

[Part B] This classification, which comes just before species in the taxonomic hierarchy, is combined with the species name in the system for binomial nomenclature.

ANSWER: genus (accept genera)

[Part C] Species are also the units used most often to calculate this statistic, the variability and richness of all life on Earth. It is concentrated at namesake "hotspots," such as in the rainforest.

ANSWER: biodiversity (accept species diversity; accept biological diversity)

(Tossup 10) **One of these creatures was immortal within his native land. A prophecy about these creatures said that they could not be killed by gods alone, but only with the help of a mortal. These offspring of Gaia were said to have been born when (\*) Uranus's blood fell upon the earth. The most powerful of these creatures were Alcyoneus and Porphyryon. For ten points, name this race of creatures from Greek myth who, contrary to their name, may not have been of great size.**

ANSWER: Giants

(Bonus 10) Alpheus falls in love with, and tries to capture, this goddess. For ten points each,

[Part A] Name this Greek goddess of the hunt.

ANSWER: Artemis

[Part B] Name this hunter who was torn apart by his dogs after Artemis transformed him into a stag as punishment for seeing her naked.

ANSWER: Actaeon

[Part C] Name this giant huntsman who was Artemis' hunting companion, the namesake of a constellation.

ANSWER: Orion

(Tossup 11) **One of these devices was patented by Edith Clarke in 1925 and used to solve problems with electrical power lines. An early one of these devices was the stepped reckoner which Gottfried Leibniz spent 40 years working on, while another one of these was the (\*) Arithmometer.** A “graphic” one of these devices is commonly manufactured by Texas Instruments, while “scientific” versions of these devices are often made by Casio. For ten points, name these portable electronic devices used to perform calculations.

ANSWER: Calculators

(Bonus 11) Two quantities are said to possess this quality if their ratio is the same as the ratio of their sum to the larger of the two quantities. For ten points each,

[Part A] Name this ratio, expressed algebraically as  $(a+b)/a = a/b$  [a plus b quantity over a equals a over b], and was alleged to be present in Leonardo da Vinci’s “Vitruvian Man”.

ANSWER: golden ratio

[Part B] Name the Greek letter used to represent the Golden Ratio, having a value of approximately 1.618.

ANSWER: phi [fee]

[Part C] A golden form of this quadrilateral is formed when the quadrilateral side lengths are in the golden ratio. This quadrilateral contains four 90 degree angles.

ANSWER: Fibonacci sequence

(Tossup 12) **The eastern part of this range contains the Sangre de Cristo mountains, while the Bitterroot subrange of this range was repeatedly crossed by Lewis and Clark. Mount Robson is the highest peak in the Canadian region of this range, while (\*) Mount Elbert is the highest in the entire range.** This range has prominent features such as Pike’s Peak and the Continental Divide. For ten points, name this longest mountain range in America.

ANSWER: Rocky Mountains or Rockies

(Bonus 12) Milad tower and Golestan palace are located in this city. For ten points each,

[Part A] Name this capital city of Iran.

ANSWER: Tehran

[Part B] One of Tehran’s twin cities is this capital city of Belarus.

ANSWER: Minsk

[Part C] Another one of Tehran’s twin cities is this capital city of Hungary

ANSWER: Budapest

(Tossup 13) **One of these works by Shostakovich is dedicated to “Victims of Fascism and War” and revolves around the “DSCH,” motif. A stay in Spillville, Iowa inspired Dvorak’s “American” work of this type. Mozart dedicated six of these pieces like his (\*) “Dissonance” to Haydn. The original finale of Beethoven’s 13th one of them is known as the Grosse Fuge. For ten points, name this type of work written for two violins, a viola, and a cello.**

ANSWER: String quartet [prompt on quartet]

(Bonus 13) The “natural” type of these scales are built by starting on the sixth degree of its relative major scale. For 10 points each:

[Part A] Identify this type of scale. These scales sound more serious and dark than their “major” counterparts.

ANSWER: Minor scales

[Part B] The natural minor scale is referred to as the Aeolian type of these music constructs. The Dorian example of these pitch systems is similar to the Aeolian type, but its sixth note is a major sixth above the first note.

ANSWER: Modes

[Part C] A minor scale described by this term has the same notes as the natural minor scale except that the 7th degree is raised by one semitone. Minor scales described by this adjective have a flat sixth as opposed to melodic minor scales with a natural sixth.

ANSWER: Harmonic

(Tossup 14) **Haitian leader Alexandre Petion gave this man’s entourage ships, food, and ammunition on the condition that he declare his country’s slaves free. He authorized brutality against his enemies in the Decree of War to the Death. This man was victorious at the Battles of (\*) Boyaca and Carabobo. Antonio Jose de Sucre served as lieutenant to, for ten points, what first President of Gran Colombia, known as El Libertador?**

ANSWER: Simon Bolivar [accept Simon Jose Antonio de la Santisima Trinidad Bolivar y Palacios; prompt on “El Libertador” until read]

(Bonus 14) This man's son was the last colonial governor of New Jersey. For ten points each,

[Part A] Name this man, who after being denied the opportunity to write for his brother James' newspaper, wrote the "Silence Dogood" letters to trick his brother into publishing them.

ANSWER: Benjamin Franklin

[Part B] Franklin also published this yearly work, which contained weather forecasts and various tips and tricks to navigate life.

ANSWER: Poor Richard's Almanac

[Part C] Franklin was a politician from this state, which also hosted the capital of the United States in Philadelphia while Washington DC was being built.

ANSWER: Commonwealth of Pennsylvania

(Tossup 15) **One character in a poem by this author describes how he carved a bed from the roots of an olive tree after shooting an arrow through a dozen axe heads. In one work by this author, Diomedes kills Pandaros and wounds the goddess Aphrodite. That work by this author features a duel between (\*) Hector and a warrior invulnerable everywhere except for his heel, Achilles.** For ten points, name this Ancient Greek poet of the *Iliad*.

ANSWER: Homer

(Bonus 15) This character is said to be the ghost of a Hessian trooper. For ten points each,

[Part A] Name this character encountered by Ichabod Crane after leaving Van Tassel's homestead. This character hurls his severed head at Crane.

ANSWER: The Headless Horseman

[Part B] Ichabod Crane encounters the Headless Horseman in this work set in the title settlement.

ANSWER: *The Legend of Sleepy Hollow*

[Part C] *The Legend of Sleepy Hollow* was written by this American author who also wrote *Rip Van Winkle*.

ANSWER: Washington Irving

(Tossup 16) **QAPF diagrams are used to classify these rocks, which are the primary components of plutons. The crystallization order of these rocks is listed in Bowen's reaction series. These rocks, which can be intrusive or extrusive, can be classified as felsic or mafic depending on how much (\*) silica they contain.** Pumice, basalt, and obsidian are examples of this rock. For ten points, name this major class of rocks that come from solidified volcanic lava or magma and are contrasted with sedimentary and metamorphic.

ANSWER: igneous rocks (prompt on partial answer)

(Bonus 16) The sky is big, blue, and dynamic. For ten points each:

[Part A] Name these white fluffy objects in the sky. They may come in cumulus, stratus, and cumulonimbus varieties.

ANSWER: clouds

[Part B] The amount of rain, along with temperature and humidity, determine this categorization. It is the long-term weather pattern of an area.

ANSWER: climate

[Part C] This climate designation is marked by cold, treeless land. The soil is permanently frozen in this climate designation.

ANSWER: tundra

## Tiebreakers

(Tossup 17) **This event became possible after the signing of the Treaties of Dancing Rabbit Creek and New Echota, which were opposed by Chief John Ross. The enforcement of this event ignored the Supreme Court's decision in *Worcester v. Georgia* and allowed the military to escort groups such as the (\*) Creek and Choctaw westward. Andrew Jackson's signing of the Indian Removal Act led to, for ten points, what forced relocation of Native American tribes to Oklahoma?**

ANSWER: Trail of Tears (prompt on "Indian Removal" or other descriptions)

(Bonus 17) This man's system of realpolitik prevented widespread conflict in Europe for decades. For ten points each,

[Part A] Name this chancellor of the German Empire who orchestrated the unification of Germany after the Franco-Prussian War. This man constructed the first modern welfare state in history.

ANSWER: Otto von Bismarck

[Part B] Bismarck was a member of this elite landed Prussian nobility.

ANSWER: Junkers

[Part C] Bismarck attempted to restrict this institution's political power through his Kulturkampf, or Culture War, but the plan ultimately backfired.

ANSWER: (Roman) Catholic Church (prompt on "the Church")