

Round 6

First Half

(Tossup 1) **The rise of Shehu Shagari as leader of this country was its first peaceful transfer of power from a military leader; that leader, Olusegun Obasanjo, was later imprisoned by a dictator named Sani Abacha, who hanged activists who spoke out against Royal Dutch Shell's exploitation of this country's (*) oil reserves.** The Islamic extremist group Boko Haram is centered in this country, where violence against the Igbo people led to the secession of Biafra. For ten points, name this African country with capital at Abuja.

ANSWER: Nigeria

(Bonus 1) For ten points each, give the following about naval warfare in East Asia.

[Part A] Admiral Yi Sun-Shin designed these Korean warships that repelled Toyotomi Hideyoshi's naval invasion of Korea in the 1590s. They are considered the first armored ship in the world.

ANSWER: turtle ships (accept Geobukseon)

[Part B] During the Battle of Leyte Gulf, Japanese airmen began to conduct these suicide attacks against U.S. ships. The name for these attacks translates to "divine wind."

ANSWER: kamikaze attacks

[Part C] The intensity of kamikaze attacks gave this battle the nickname "typhoon of steel." During this battle, the Japanese lost the battleship Yamato.

ANSWER: Battle of Okinawa

(Tossup 2) **This poet wrote that "I hope to see my Pilot face to face / when I have" performed the title action of one poem. This poet wrote an elegy to Arthur Harry Hallam in which he wrote "'tis better to have loved and lost / Than never to have loved at all." This poet of (*) "Crossing the Bar" and "In Memoriam, A.H.H." wrote a poem in which "the six hundred" rode "half a league onward" "into the valley of Death" at the Battle of Balaclava. For ten points, name this Romantic poet of "The Charge of the Light Brigade."**

ANSWER: Alfred, Lord Tennyson

(Bonus 2) This work's protagonist and his tutor are arrested and set to be killed in an "auto-da-f'e" after an earthquake in Lisbon. For ten points each,

[Part A] Name this novella in which the title optimistic boy travels with Dr Pangloss, who believes that they live in the "best of all possible worlds"

ANSWER: Candide

[Part B] Candide is by this French author.

ANSWER: Voltaire (accept Fran,cois-Marie Arouet)

[Part C] Candide and his valet Cacambo are given a gift of red sheep carrying jewels and other riches when they leave this fictional land of riches in South America, named for its abundance of gold.

ANSWER: El Dorado

(Tossup 3) **Le Chatelier [shat-lee-ay] wrote that letting the synthesis of this molecule slip through his hands was the greatest blunder of his scientific career. The hydroxide of this compound is commonly used as a cleaning agent, and the central atom's lone pair gives this (*) tetrahedral molecule a slightly lower than 109.5 degree bond angle. This compound is produced using an iron catalyst in the Haber-Bosch process from hydrogen and nitrogen gas. For ten points, name this molecule with chemical formula NH_3 .**

ANSWER: ammonia (accept NH_3 before it is read)

(Bonus 3) Answer the following about the experiments on heredity done by Gregor Mendel, for ten points each.

[Part A] If an allele for a trait has this property, it masks other alleles and is labelled with a capital letter. These traits are contrasted with recessive traits.

ANSWER: dominant

[Part B] Gregor Mendel conducted his experiments on these plants over multiple generations. He looked at frequencies of alleles like tall, short, wrinkled, smooth, yellow, and green in these plants.

ANSWER: pea plants

[Part C] Although he may have manipulated some of his data, Mendel came up with the Law of Segregation and this other law. This statement is violated in the case of linked genes.

ANSWER: Law of Independent Assortment (prompt on partial answers)

(Tossup 4) **Weddings in this religion follow a three-three-nine pattern and involve three ceremonial cups, three oaths, and drinking in three sips. A two-pillared gate often marks the entrance to shrines in this religion, which contain sanctuaries called (*) honden. This religion believes that impurities separate human beings from spirits and gods, which are collectively labeled kami. This religion's Ise [EE-say] Shrine honors the goddess Amaterasu. For ten points, name this religion practiced by over three-fourths of Japan's population.**

ANSWER: Shintoism

(Bonus 4) This man was nearly assassinated by Bigthana and Teresh, and exiled his wife, Vashti, after she refused to appear at a feast. For ten points each,

[Part A] Name this biblical king, who first allows, then prevents, a genocide planned by Haman the Agagite.

ANSWER: King Ahasuerus (accept Xerxes I)

[Part B] This Jewish man worked in the household of King Ahasuerus. He and his cousin, who was Ahasuerus's queen after Vashti, are celebrated at Purim.

ANSWER: **Mordecai**

[Part C] This cousin of Mordecai persuaded her husband, Ahasuerus, to allow the Jews to defend themselves against those who were trying to kill them.

ANSWER: **Esther** (accept **Hadassah**)

(Tossup 5) **This collection of paintings was removed from the walls of the Quinta del Sordo near Madrid. One of these paintings shows a goblin-like man speaking into the ear of a man with a white beard. Another of these paintings shows an enormous, distorted man holding a beheaded body and (*) gnawing on its arm. Two Old Men and Saturn Devouring His Son are two of these paintings, which were created by Francisco Goya. This group of paintings is named for their amount of, for ten points, what very dark color, the opposite of white?**

ANSWER: **Black** Paintings by Francisco Goya (accept Pinturas **negras**)

(Bonus 5) This ballet, subtitled "Pictures from Pagan Russia", nearly caused a riot during its 1913 premiere in Paris. For ten points each,

[Part A] Name this ballet, which includes sections titled "Adoration of the Earth" and "Evocation of the Ancestors." It ends with a young girl dancing herself to death.

ANSWER: The **Rite of Spring** (accept Le **Sacre du printemps**)

[Part B] The Rite of Spring is by this Russian composer, whose other ballets include The Firebird and Petrushka.

ANSWER: Igor **Stravinsky**

[Part C] The Rite of Spring opens with an unusually high solo for this double reed instrument, which was inspired by Lithuanian folk songs.

ANSWER: **bassoon**

(Tossup 6) **In the first section of a two part work, this philosopher attacked Robert Filmer's theory of patriarchy. This thinker studied the relationships of qualities to the observer to determine if they are primary or secondary. This (*) "Father of Liberalism" claimed that the mind was a blank slate at birth, or tabula rasa. For ten points, name this English philosopher who wrote An Essay Concerning Human Understanding.**

ANSWER: John **Locke**

(Bonus 6) This country's Kurdish northern provinces have formed an autonomous federation called Rojava. For ten points each,

[Part A] Name this country, which has been embroiled in a civil war since 2011, resulting in mass destruction in cities like Damascus and Aleppo.

ANSWER: Syria

[Part B] The Syrian civil war began in response to this man's brutal dictatorship. Forces loyal to this man currently control 60% of Syrian territory, supported by Russia and Iran.

ANSWER: Bashar al-Assad

[Part C] From 2011 to 2014, Assad's army besieged this city in Western Syria, the seat of a governorate of the same name. This city, the third largest in Syria, was one of the first sites of Syria's Arab Spring movement.

ANSWER: Homs

(Tossup 7) **Even though there are infinitely many of these numbers between any two of them, almost all real numbers are not these numbers, because this set is countable. A diagonal path through an array of these numbers is used to show that they can be counted. A boldface (*) Q is used to represent this class of numbers, which have terminating or repeating decimal expansions, such as 0.3 repeating. Pi and e are not part of,** for ten points, what class of numbers that can be written as fractions?

ANSWER: rational numbers (prompt on fractions before mentioned)

(Bonus 7) Repayment of a mortgage or other loan includes both the principal and this money. For ten points each,

[Part A] Give this term for the money collected by the bank as a payment for the use of a loan, or given by the bank as a payment for the use of deposits.

ANSWER: interest

[Part B] If a savings account gains interest and that money is left in the savings account, the next interest payment will be slightly more than the first, a phenomenon given this name.

ANSWER: compound interest (accept word forms)

[Part C] Compounding interest is normally done on a monthly basis, with 12 discrete intervals over a year; compounding weekly would have 52 smaller intervals, and so on. This term is applied to the most extreme form of compounding, whose formula involves the number e.

ANSWER: continuously compounded interest (accept word forms; do not accept other terms, like constantly compounding)

(Tossup 8) **During this war, deserted Irish soldiers formed the Saint Patrick Battalion. The Thornton Affair sparked this war, in which Braxton Bragg may have been inspired by the orders of Zachary (*)** Taylor at the Battle of Buena Vista. During this war, Winfield Scott led an amphibious invasion of Veracruz. The Treaty of Guadalupe-Hildago ended, for ten points, what 1846 between the United States and its southern neighbor?

ANSWER: Mexican-American War

(Bonus 8) This man planned the MBR-200 movement, which executed a failed coup in 1992. For ten points each,

[Part A] Name this Venezuelan politician who passed away in 2013. On his show Alo Presidente, he was a frequent critic of American foreign policy, and he used oil revenues from the PDVSA to fund social programs.

ANSWER: Hugo Rafael Chavez Frias

[Part B] Hugo Chavez was the president of this country, which underwent a Bolivarian Revolution after receiving a new constitution in 1999.

ANSWER: Venezuela

[Part C] This man succeeded Chavez as president of Venezuela. Under his leadership, Venezuela's economy has collapsed and inflation has skyrocketed.

ANSWER: Nicolas Maduro Moro

Sixty-Second Rounds

The categories are ...

1. Natty Bumppo
2. Seneca Falls Convention
3. Scientists and Units in Electricity

Natty Bumppo

In the fictional life of Natty Bumppo, an unrealistically skilled marksman, who or what is the...

(1) American author who created him in works like *The Deerslayer* and *The Pathfinder*?

ANSWER: James Fenimore **Cooper**

(2) The second novel about Bumppo, named for the final member of a Native American tribe?

ANSWER: The **Last of the Mohicans**

(3) Novel in which Bumppo rescues Alice and Cora from a Huron leader?

ANSWER: The **Leatherstocking** Tales

(4) Last name of Alice and Cora?

ANSWER: **Monro**

(5) Huron leader who kidnaps Alice and Cora?

ANSWER: **Magua**

(6) Father of Uncas, who is the last remaining member of his tribe?

ANSWER: **Chingachgook**

Seneca Falls Convention

Name the...

(1) State in which it took place, and where another convention took place two weeks later in Rochester.

ANSWER: **New York**

(2) Right that it controversially agitated for, inspiring future suffragettes.

ANSWER: right to **vote** (accept equivalents and word forms)

(3) Quaker orator from Philadelphia whose visit to Seneca Falls inspired the convention.

ANSWER: Lucretia **Mott**

(4) Document agreed to at the convention, a re-writing of the Declaration of Independence.

ANSWER: **Declaration of Sentiments**

(5) Activist who organized the convention and wrote the first draft of that document.

ANSWER: Elizabeth Cady **Stanton**

(6) Only African-American to attend the convention.

ANSWER: Frederick **Douglass**

Scientists and Units in Electricity

In the following questions, if a scientist's name is shortened to name a unit, do not give the unit name. What scientist names...

(1) The SI unit of power which is used to measure the strength of lightbulbs?

ANSWER: James **Watt**

(2) The SI unit of energy, equal to one newton-meter or one coulomb-volt.

ANSWER: James Prescott **Joule**

(3) The SI unit of resistance, which is defined by his namesake law as the ratio of voltage to current?

ANSWER: Georg (Simon) **Ohm** (accept **Ohm's Law**)

(4) The SI unit of electric current and a law describing the force between two current-carrying wires.

ANSWER: Andre-Marie **Ampere** (accept **Ampere's Law**; do not accept "amp")

(5) The SI unit of capacitance and a law relating EMF to the rate of change of magnetic flux?

ANSWER: Michael **Faraday** (accept **Faraday's Law** (of Induction); do not accept "farad")

(6) The SI unit measuring electrical conductance, calculated as the inverse of resistance?

ANSWER: Ernst Werner von **Siemens**

Second Half

(Tossup 9) **This man's wife inspired his love ballad "Naima." One work by this musician is divided into four sections titled "Acknowledgement," "Resolution," "Persuance," and "Psalm." This musician's fast, arpeggiated scales were described as (*) sheets of sound, and this jazz musician's namesake chord changes can be heard on his album Giant Steps. The album A Love Supreme was created by, for ten points, what jazz saxophonist?**

ANSWER: John **Coltrane**

(Bonus 9) This artist gained popularity in France in part due to his large paintings of the Stour River. For ten points each,

[Part A] Name this 19th-century Romantic artist of The Hay Wain.

ANSWER: John **Constable**

[Part B] Constable was born in this nation's county of Suffolk. Constable painted landmarks in this country such as Hampstead Heath and Salisbury Cathedral.

ANSWER: **England** (accept the **United Kingdom** or **UK**; accept Great **Britain**)

[Part C] Many of Constable's paintings, including The Hay Wain, are in this genre. Paintings of this type usually depict natural features like trees and mountains.

ANSWER: **landscapes**

(Tossup 10) **A man in this short story proudly presents his wife an invitation from Georges Ramponneau, and gives up the four hundred francs he had saved for a sporting rifle so his wife can buy a dress. This short story's protagonist borrows the title object from Madame (*) Forestier, who is later shocked to see how Mathilde Loisel has changed after ten years of hard work to replace the title object. For ten points, name this short story by Guy de Maupassant, in which a couple works to replace the title piece of jewelry, only to discover the original was fake.**

ANSWER: The **Necklace** (accept The **Diamond Necklace**; accept La **parure**)

(Bonus 10) This author wrote about Quentin Compson, who narrates a novel by this man about Thomas Sutpen, and part of another about Quentin's siblings, Jason, Benjy, and Caddy. For ten points each,

[Part A] Name this American author of Absalom, Absalom and The Sound and the Fury.

ANSWER: William Cuthbert **Faulkner**

[Part B] This Faulkner novel is told from the perspectives of members of the Compson family, including Anse, Cash, and Dewey Dell, as they carry Addie to her final resting place.

ANSWER: **As I Lay Dying**

[Part C] As I Lay Dying, Absalom, Absalom, and The Sound and the Fury are mostly set in this state, where Faulkner created the fictional Yoknapatawpha County.

ANSWER: Mississippi

(Tossup 11) **A notable occurrence involving this celestial object, first observed in 1639, occurs twice in eight years over an approximately 250 year cycle. The first detailed maps of this object were made by the Magellan spacecraft. Active volcanism was first observed on this object near its (*)** Maat Mons. A runaway greenhouse effect from a thick atmosphere of carbon dioxide has affected, for ten points, what planet, the closest in size to Earth?

ANSWER: Venus

(Bonus 11) For ten points each, give the following about storing energy in circuits.

[Part A] Circuits that need to store electrical charge can use one of these devices, represented as a pair of parallel lines on a circuit diagram. Using a dielectric with one of these devices can increase the amount of charge they can store.

ANSWER: capacitors

[Part B] This device can also be used to store energy in a circuit by using current to generate a magnetic field. A capacitor paired with this device can create a resonant circuit that can be used to generate a particular frequency.

ANSWER: inductors

[Part C] Circuits with capacitors or inductors often charge up after flipping one of these devices, that is said to be open when time is "less than zero" and closed when time is "greater than zero."

ANSWER: switch

(Tossup 12) **This creature is destined to set the ship Naglfar free, and to poison the sky. This creature, who is described as the "stiff rope of the earth" in the Husdrapa, was once lifted while in the form of a colossal cat, and will cause the (*)** earthquakes that begin Ragnarok. The Prose Edda describes how Hymir and Thor fished for this son of Loki. For ten points, name this enormous sea snake who encircled the world of humans in Norse mythology.

ANSWER: Jormungandr (accept Midgard Serpent)

(Bonus 12) This son of Peleus and Thetis was king of the Myrmidons. For ten points each,

[Part A] Name this hero of the Trojan War who was, except for his heel, invulnerable.

ANSWER: Achilles

[Part B] Achilles refused to fight during the Trojan War after this man took Achilles' war prize, a maiden named Briseis [bry-say-is]. After the war, this man's wife, Clytemnestra, kills him.

ANSWER: Agamemnon

[Part C] Achilles re-entered the war after this man, his best friend, masqueraded as Achilles and was killed. In revenge for this man's death, Achilles slew Hector and dragged Hector's corpse behind his chariot.

ANSWER: **Patroclus**

(Tossup 13) **This organ secretes a namesake surfactant that is primarily made of DPPC. This organ secretes an enzyme called A-C-E as part of the renin-angiotensin system. The function of this organ can be measured through spirometry. (*)** Emphysema is a chronic disease that affects this organ. A primary cause of cancer in this organ is exposure to tobacco smoke. For ten points, name these paired organs that exchange gas with the bloodstream and fill with air.

ANSWER: **lungs**

(Bonus 13) The Richter scale measures the magnitude of these events. For ten points each,

[Part A] Name these phenomena, common along fault lines, in which the release of energy causes the ground to shake.

ANSWER: **earthquakes**

[Part B] These boundaries commonly cause earthquakes, as one tectonic plate curves beneath another and slides down towards the mantle.

ANSWER: **subduction zones**

[Part C] As one of the plates is pushed upwards due to subduction, this other process occurs, causing the formation of mountains.

ANSWER: **orogeny** (accept word forms)

(Tossup 14) **One member of this dynasty married Mary I of England and had forces defeated at the Battle of Gravelines. Holy Roman Emperors of this house included Frederick III. (*)** Charles VI of this dynasty issued a Pragmatic Sanction, which attempted to install his daughter Maria Theresa and led to the War of the Austrian Succession. For ten points, name this European royal house that had Spanish and Austrian branches.

ANSWER: House of **Habsburg** (accept **Hapsburg**)

(Bonus 14) For ten points each, give the following about the English Civil War.

[Part A] The English Civil War pitted the Cavaliers, who supported the Monarchy, against the Roundheads, who supported this legislative body. This body contains the House of Lords and House of Commons.

ANSWER: **Parliament**

[Part B] After the war, this former commander of the New Model Army became the first Lord Protectorate of the new Commonwealth of England.

ANSWER: Oliver **Cromwell**

[Part C] Oliver Cromwell rose to power after the trial and execution of this monarch. This man's son, James II, was later deposed in the Glorious Revolution.

ANSWER: **Charles I** (prompt on Charles)

(Tossup 15) **The longest metro line that relies on driverless trains is this city's Red Line. The longest road in this city is named after Sheikh Zayed. Dredged sand was used to create country-themed landmasses off this city's coast that are called the (*) World Islands.** Taipei 101 was succeeded as the tallest structure on Earth by this city's Burj Khalifa. For ten points, name this most-populous city in the United Arab Emirates.

ANSWER: **Dubai**

(Bonus 15) Answer some questions about places threatened by rising sea levels for ten points each.

[Part A] Many of the inhabited islands of this island country in the Indian Ocean with capital at Mal'e [MAH-lay] may need to be evacuated as a result of rising sea levels.

ANSWER: The **Maldives**

[Part B] A 2016 report claimed that, after Guangzhou and New York City, this southeastern coastal Florida city has the most to lose financially from sea level rise. It is the county seat of what was once known as Dade County.

ANSWER: **Miami**

[Part C] This Italian city's canals overflow more often due to climate change, which has inspired a siren alert system that indicates the severity of impending floods.

ANSWER: **Venice**

(Tossup 16) **Frank Bryce is falsely accused of a murder committed by this literary character in Little Hangleton. In a play by Tiffany and Thorne, this son of Merope Gaunt is the father of Delphini. A prophecy about this character predicts that "the one with the power to vanquish" him "will be born as the (*) seventh month dies,"** and is made unknowingly by Sybill Trelawney. As a student, this man frames Rubeus Hagrid for opening the Chamber of Secrets, where a horcrux belonging to this Heir of Slytherin later entrances Ginny Weasley. For ten points, name this Dark Lord of the wizarding world who seeks to kill Harry Potter.

ANSWER: Tom Marvolo **Riddle** (accept Lord **Voldemort** before it is read; prompt on "He-Who-Must-Not-Be-Named" or "You-Know-Who;" prompt on "Dark Lord" before it is read)

(Bonus 16) This poet wrote “Five years have past; five summers, with the length / of five long winters” since his last visit to a medieval church, and wrote that he “wandered lonely as a cloud” in another poem. For ten points each,

[Part A] Name this English Romantic poet, who collaborated with Coleridge on Lyrical Ballads

ANSWER: William **Wordsworth**

[Part B] Wordsworth wrote about visiting this church on the “Silvan Wye,” which he had visited five years previously with his sister, Dorothy.

ANSWER: **Tintern Abbey** (accept **Lines Written a Few Miles Above Tintern Abbey** or **Lines Composed a Few Miles Above Tintern Abbey**)

[Part C] In “I Wandered Lonely as a Cloud,” Wordsworth wrote about encountering “a crowd, / a host, of” these flowers, which toss “their heads in a sprightly dance.”

ANSWER: golden **daffodils**

Tiebreakers

(Tossup 17) **This author wrote about the conflict between Pat Brady and a character based on film producer Irving Thalberg, named Monroe Stahr. Another work by this author focuses on the romances of Amory Blaine, who is a student at this author’s alma mater Princeton. The author of The (*) Last Tycoon and This Side of Paradise based several characters on his wife Zelda, and wrote many of his works during the Roaring Twenties. For ten points, name this author of The Great Gatsby.**

ANSWER: Francis Scott Key **Fitzgerald**

(Bonus 17) This ruler claimed that he was the uncrowned last king of Scotland. For ten points each,

[Part A] Name this dictator who overthrew Milton Obote and tried to annex the province of Kagera from Tanzania.

ANSWER: Idi **Amin** Dada

[Part B] Idi Amin ruled this African country, whose capital is Kampala. Operation Thunderbolt was a successful attempt to rescue Israeli hostages from this country’s Entebbe airport.

ANSWER: **Uganda**

[Part C] In August 1972, Idi Amin issued a decree expelling all of these people from Uganda.

ANSWER: **Asians** (accept specific nationalities like **Indians** or **Chinese**)