

Academic Bowl Round 6

First Half

(1) **At this man's final performance at the 2006 Olympic opening ceremony in Turin, he sang his signature piece, Puccini's "Nessun Dorma." This man was a member of the Three Tenors with Placido Domingo and Jose (*) Carreras.** Known as the "King of the High C's," for ten points, who was this Italian operatic tenor?

ANSWER: Luciano **Pavarotti**

(bonus) This piece was controversially used as the *leitmotif* [[LITE-moh-teef]] to accompany the charge of the KKK foot soldiers in *The Birth of a Nation*. For ten points each,

* Name this composition within one opera in which the title female figures, the siblings of Brunhilde, prepare to gather heroes to bring them to Valhalla.

ANSWER: "The **Ride of the Valkyries**"

* "The Ride of the Valkyries" is in *The Valkyries*, a German language opera by this composer.

ANSWER: Richard **Wagner** (or Wilhelm Richard **Wagner**)

* Wagner's "Ring Cycle" ends with an opera about this apocalyptic event from Norse myth.

ANSWER: **Ragnarök** (accept **Götterdämmerung**)

(2) **In 2016, this organization attempted to depose Abubakar Shekau [[sheh-"COW"]]] as leader of the West Africa Province. This organization divided Libya into Cyrenaica [[sy-REN-ah-kah]], Fezzan, and Tripolitania after claiming (*) territorial control in 2014.** Formerly led by Abu Bakr al-Baghdadi, for ten points, what is this terrorist organization which once controlled a large portion of two countries governed from Damascus and Baghdad?

ANSWER: **Islamic State** (or **IS**; accept **Islamic State** of Iraq and the Levant; accept **ISIL**; accept **Islamic State** of Iraq and Syria; accept **ISIS**; accept **ad-Dawlah al-Islāmiyah**; accept **Daesh**)

(bonus) During this war, the majority of the Egyptian Air Force was eliminated in a surprise operation named "Focus" spearheaded by the IDF. For ten points each,

* Identify this war, usually named for the number of days during which it was fought. Israel fought all of its Arab neighbors in this June, 1967 war.

ANSWER: **Six-Day War** (or Miḥemet **Šešet** HaYamim; accept **an-Naksah**; accept **Third Arab-Israeli War**; prompt on "The Setback")

* Israel used the closure of the Straits of Tiran, which connects this gulf to the Red Sea, as a *casus belli* to attack its neighbors.

ANSWER: Gulf of **Aqaba** (or Khalīj al-**Aqabah**; accept Gulf of **Eilat**; accept Mifrātz **Eilat**)

* During the war, Israel seized and annexed the West Bank from this Hashemite kingdom to its east, which is governed from Amman.

ANSWER: Hashemite Kingdom of **Jordan** (or Al-Mamlakah al-**Urdunniyyah** Al-Hāshimiyyah)

(3) **These types of geographical features first appeared during the Early Ordovician period, and they are home to organisms such as the trunkfish and hawkfish. A rise in temperatures has caused the "bleaching" (*) of these ecosystems that are held together by calcium carbonate. An atoll is a ring-shaped example of, for ten points, what type of underwater ecosystems, an example of which is the "Great Barrier" one located off the coast of Australia?**

ANSWER: **Coral Reefs** (accept Great Barrier **Reef**; prompt on "Reefs"; prompt on "Coral bleaching")

(bonus) Kericho, Kenya experiences some fifty days a year of this type of precipitation. For ten points each,

* What is this form of solid precipitation, typically falling in "stones"?

ANSWER: **Hail** (accept **Hail**stone(s); prompt on "ice pellets")

* Sometimes called "soft hail," what German word names the precipitation that occurs when supercooled water collects on snowflakes to form balls of rime ice?

ANSWER: **Graupel**

* Hail and graupel typically form in these vertical clouds that take their name from Latin words for "heaped" and "rainstorm."

ANSWER: **Cumulonimbus** clouds (do not accept or prompt on "cumulus," "nimbus," or "nimbostratus")

(4) **The protagonist of this novel imagines himself keeping children from falling off a cliff due to misremembering the words of a Robert Burns poem. That protagonist of this novel gets expelled from Pencey (*)** Prep and spends time dawdling around New York before meeting with his sister, Phoebe. For ten points, identify this J.D. Salinger novel about the phony-hating teenager Holden Caulfield.

ANSWER: *The Catcher in the Rye*

(bonus) This author wrote an autobiographical work about his time in France titled *A Moveable Feast*. For ten points each,

* Name this author who is known for writing about his experiences as an ambulance driver in World War One.

ANSWER: Ernest Hemingway (or Ernest Miller Hemingway)

* Ernest Hemingway wrote this work, set in Spain, in which two characters brawl before a bullfight in Pamplona.

ANSWER: *The Sun Also Rises*

* *The Sun Also Rises* is this type of novel about factual events with a fictional plot which takes its French name from the term "Novel with a Key."

ANSWER: Roman à clef

(5) **The Ramsey problem concerns what prices this type of public entity should charge to maximize social welfare. Historical examples of companies in this market structure included the VOC in the spice trade. The Sherman (*)** Antitrust Act is one measure that broke up these market structures to increase competition. For ten points, name this market structure in which there is only one supplier for a particular commodity.

ANSWER: Monopoly (or Monopolistic)

(bonus) This specific people group makes up the majority of the population in Spanish-speaking Latin America. For ten points each,

* Give this Spanish term, first coined in the colonial period, for a person of mixed Indigenous and Spanish ancestry.

ANSWER: Mestizo (or Mestiza)

* The Colonial Spanish caste system included these people, who were solely of Spanish ancestry but born in the New World. This term is also used to denote a language mixture like the one spoken by Haitians and French Louisianans.

ANSWER: Creole (accept Criollo)

* A creole language known as Gullah is spoken in South Carolina and in this other state, including in urban Savannah.

ANSWER: **Georgia**

(6) This tricarboxylic [[try-kar-bok-SIH-lik]] acid is the substrate of the iron-containing enzyme aconitase [[ah-KON-ih-tase]]. A condensation reaction between oxaloacetate [[ok-sah-loh-ASS-ih-tate]] and acetyl-CoA [[ah-SEE-til koh-AY]] forms this (*) six-carbon product in the first step of a namesake biochemical cycle. The Krebs cycle is alternatively named for, for ten points, what acid, also found in lemons and limes?

ANSWER: **Citric** acid (accept **Citrate**; accept **Citric** acid cycle)

(bonus) Reduction in deer populations has been conjectured as a way of reducing incidence of this disease. For ten points each,

* Name this disease often spread by ticks carrying *Borrelia burgdorferi*.

ANSWER: **Lyme** Disease (or **Lyme** borreliosis)

* Lyme Disease results in a rash shaped like one of these circular entities which are found at the center of a dart board.

ANSWER: **Bull's eye** rash (prompt on "circle" or "ring")

* Lyme Disease is the most common disease in the United States that is transmitted by organisms denoted by this term, indicating that they carry the infection.

ANSWER: Disease **Vector**

(7) Colonists categorized this act, together with the concurrently enacted Coercive Acts, as the "Intolerable Acts." One aspect of this act that concerned colonists was the toleration it extended to Roman Catholics. (*) The colonists also worried that this act would provide the template for ending representative government in North America. For ten points, name this 1774 act, itself named after a recently conquered province.

ANSWER: **Quebec** Act 1774 (or British North America (**Quebec**) Act 1774

(bonus) While many have feared what is perceived as the the threat of communism, the political philosophy has found its way to the doorstep of the U.S. For ten points each,

* Name the communist Caribbean country whose revolution brought Fidel Castro to power.

ANSWER: Republic of **Cuba** (accept República de **Cuba**)

* Name the chain of two islands in the Bering Strait, the "Big" in Russia and the "Little" in America.

ANSWER: **Diomedes** (or **Gvozdev** Islands; accept Big **Diomedes**; accept Little **Diomedes**)

* This influential feminist and professor at UCLA was a two-time vice-presidential candidate for the Communist Party USA in the 1980s.

ANSWER: Angela **Davis** (or Angela Yvonne **Davis**)

(8) **During the wedding of Pirithous, these creatures started a war with the Lapiths. One of these creatures tricks Deianira [[dy-ah-NEE-rah]] into giving a shirt to Heracles with his poisoned blood on it. One well-known example of these creatures was (*) Chiron [[KY-ron]], who served as a tutor to many heroes. For ten points, name these creatures from Greek mythology which have the torso of a man and the lower body of a horse.**

ANSWER: **Centaur**s (accept Hippo**centaur**)

(bonus) This man abducted Philomela and subsequently cut her tongue out to prevent her from explaining what happened to her. For ten points each,

* Name this king of Thrace who, along with his wife, Procne, was turned into a bird.

ANSWER: **Tereus**

* Tereus was the son of this Greek god of war.

ANSWER: **Ares**

* A transformed Tereus is a character in *The Birds* by this Greek playwright, the "Father of Comedy."

ANSWER: **Aristophanes**

Halftime

The categories are:

1. Narrative Poems
2. U.S. Civil War Sites
3. The Human Body

Narrative Poems

Name the...

(1) Title talking bird in Edgar Allan Poe's lament about Lenore.

ANSWER: "The **Raven**"

(2) Author who wrote of the doomed Adam and Even in *Paradise Lost*.

ANSWER: John **Milton**

(3) Monster who terrorizes a mead hall until Beowulf intervenes

ANSWER: **Grendel**

(4) King of Ithaca who, after twenty years, returned home to Penelope and Telemachus [[teh-leh-MAH-kus]].

ANSWER: **Odysseus** (accept **Ulysses**)

(5) Hero of Apollonius's *Argonautica* who travels to Colchis [[KOHL-keess]].

ANSWER: **Jason**

(6) King whose friend, Enkidu, is killed by the gods.

ANSWER: **Gilgamesh** (accept *Epic of **Gilgamesh***)

U.S. Civil War Sites

Concerning the U.S. Civil War, name the...

(1) Commanding general of the Union army who later became U.S. president.

ANSWER: Ulysses S. **Grant** (or Hiram Ulysses **Grant**)

(2) South Carolina fort, an attack on which started the Civil War.

ANSWER: Fort **Sumter**

(3) Union general who led the burning of Atlanta and the "March to the Sea."

ANSWER: William Tecumseh **Sherman** (accept **Sherman**'s March to the Sea)

(4) Site of the surrender signed by Robert E. Lee for the Confederate Army.

ANSWER: **Appomattox** Courthouse

(5) State in which Wilson's Creek was the first major battle west of the Mississippi.

ANSWER: **Missouri**

(6) Battle at which David Farragut supposedly said, "Damn the torpedoes, full speed ahead!"

ANSWER: Battle of **Mobile Bay** (prompt on "Mobile")

The Human Body

Concerning the human body, name the...

(1) Organ which covers and protects the outside of the body.

ANSWER: **Skin** (accept **Cutaneous** layer)

(2) Heaviest internal organ and largest gland.

ANSWER: **Liver**

(3) Portion of the digestive system of which the colon is the longest part.

ANSWER: **Large intestine** (or **Large bowel**; prompt on "intestine")

(4) Section of the lower brainstem that deals with autonomic functions such as breathing.

ANSWER: **Medulla** oblongata (accept **Bulb**)

(5) Scientific name for the bone known as the "kneecap."

ANSWER: **Patella**

(6) Cartilaginous "swordlike" extension of the lower part of the sternum.

ANSWER: **Xiphoid process** (or **Xiphisternum**; or **Metasternum**)

Second Half

(1) **This artist produced the biopic *Cadillac Records* in which they played the part of Etta James. This artist received their first Academy Award nomination for Best Original Song for "Be Alive" from *King Richard* and filmed a special called (*) *Homecoming* that documents their 2018 Coachella performance. The former lead singer of Destiny's Child, for ten points, what performer has been nominated for more Grammys than any other woman?**

ANSWER: **Beyoncé Knowles**-Carter (or **Beyoncé** Giselle **Knowles**-Carter; accept **Beyoncé Carter**; in all cases, accept either underlined portion)

(bonus) This composer and producer of musicals has created some of the best-loved works in the musical theatre repertoire. For ten points each:

* Name this creator of works such as *Jesus Christ Superstar* and *Evita*.

ANSWER: Andrew **Lloyd Webber** (or Baron **Lloyd-Webber**; prompt on partial answers)

* One of Lloyd Webber's best-known works is this Tony winner based on a novel by Gaston Leroux [[leh-ROO]] and featuring the song "The Music of the Night."

ANSWER: *The **Phantom** of the Opera*

* Lloyd Webber is one of sixteen people who are "EGOT" winners, meaning they have won a Tony, an Oscar, an Emmy and what other award given for achievement in the music industry?

ANSWER: **Grammy** Award (accept **Grammies**; accept **Gramophone** Award)

(2) **In the Second Settlement, this man was granted the powers of a tribune by the Senate. This man may have banished the poet Ovid and exiled fellow Triumvirate member Marcus Lepidus. (*) The winner of the Battle of Actium over Marc Antony, for ten points, who was this man who is considered the first Roman emperor?**

ANSWER: Caesar **Augustus** (accept in either order; or **Octavian**; or Gaius **Octavius**)

(bonus) This ruler used a double-envelopment to defeat Gaius Terentius Varro at the Battle of Cannae. For ten points each,

* Name this Carthaginian general who remained in Italy for twelve years after traversing the Alps and winning crushing victories like Lake Trasimene.

ANSWER: **Hannibal** Barca (prompt on "Barca")

* This Roman general, whose father and uncle had lost their lives earlier in the Second Punic War, forced Hannibal to retreat to Africa.

ANSWER: **Scipio** Africanus (prompt on "Africanus")

* Scipio defeated Hannibal's forces at the Battle of Zama in what is today this country in North Africa to the east of Algeria?

ANSWER: Republic of **Tunisia** (or Al Jumhuriyah at **Tunisiyah**)

(3) **This physicist erroneously theorized the speed of sound in one of his books in which he also introduced a namesake fluid. This fellow of Trinity College served as the second Lucasian Professor of Mathematics at Cambridge, where he published his theory of (*) infinitesimal calculus. For ten points, name this natural philosopher whose book *Principia* established classical mechanics including three laws of motion and universal gravitation.**

ANSWER: Isaac **Newton** (accept **Newtonian** fluid; accept **Newton's** Laws of Motion)

(bonus) Bonobos are a member of this group whose individuals increased shoulder flexibility via arm swinging. For ten points each,

* Name this superfamily of simians that lack tails and include orangutans.

ANSWER: **Apes** (accept **Hominoidea**)

* The genus *Pan* includes two members, the chimpanzee and this endangered ape.

ANSWER: **Bonobo**

* This primatologist worked with the mountain gorillas in Rwanda and wrote the book *Gorillas in the Mist*.

ANSWER: Dian **Fossey**

(4) **This non-Science Fiction writer predicted the invention of machine guns and the advent of Air Forces in his work *The Wicked Prince*. This author tells of an ugly duckling who turns into a beautiful (*) swan by tale's end. The Disney Studios film *Frozen* is partially based on this 19th century author's "The Snow Queen." A girl trades her voice for legs in, for ten points, what author's story, "The Little Mermaid"?**

ANSWER: Hans Christian **Andersen**

(bonus) Amy, Beth, and Jo are among the title characters of this novel. For ten points each,

* Name this novel by Louisa May Alcott centering on the March sisters.

ANSWER: ***Little Women***

* The March sisters read this book by John Bunyan and determine that they should live lives like this novel's protagonist, Christian.

ANSWER: *The **Pilgrim's Progress** from This World, to That Which Is to Come*

* This eldest of the March girls instructs her sisters on how to embody the ideal of women in genteel society. She eventually marries John Brooke.

ANSWER: **Meg** March (or **Margaret** March)

(5) **To the south of this island is St. Pierre and Miquelon, an overseas dependency of France. This island's city of Gander sheltered and fed the passengers of thirty planes who were rerouted after the 9/11 attacks. The site of L'Anse (*)** Aux Meadows, where the Vikings established the first North American settlement, is on this island. For ten points, name this island which is known as Terre-Neuve [[tehr-NUHV]] in French.

ANSWER: **Newfoundland** (accept **Terre-Neuve** before mentioned; do not accept "Newfoundland and Labrador")

(bonus) The city of Puerto Escondido can be found in this state, which also contains the Zapotec site of Monte Alban. For ten points each,

* Name this state in the southwest of Mexico.

ANSWER: Free and Sovereign State of **Oaxaca** [[wah-HAH-kah]] (accept Estado Libre y Soberano de **Oaxaca**; accept **Huaxyacac**)

* Oaxaca is connected by highway to this capital of Mexico.

ANSWER: **Mexico City** (or **Ciudad de México**)

* This national park in Oaxaca is named after a Mexican revolutionary of the nineteenth century who hailed from the state.

ANSWER: Benito **Juarez** National Park (accept Benito Pablo **Juárez** García)

(6) **These speculative structures, which are thought to be linking points in spacetime, are consistent with the general theory of relativity but have not been visualized. These structures are based on a special solution of the Einstein field equations, the first being the (*)** Schwarzschild type. For ten points, what are these structures, most commonly called Einstein-Rosen bridges?

ANSWER: **Wormholes** (accept **Einstein-Rosen** bridge before mentioned; accept Schwarzschild **black hole**)

(bonus) In the past forty years, massive bodies called Nemesis and Tyche [[TY-kee]] have been hypothesized to exist in this region. For ten points each,

* Name this outermost, spherical region of the Solar System, home to billions of small, icy bodies.

ANSWER: Öpik-**Oort cloud**

* Currently on its way to the Oort Cloud, this NASA probe performed a flyby of Pluto in 2015 and Arrokoth in 2019.

ANSWER: New Horizons

* The Oort cloud is the source of many of these icy bodies, examples of which are named Hale-Bopp and Halley's.

ANSWER: Comets (accept Comet Hale-Bopp; accept Halley's comet)

(7) **In February 2003, this Balkan nation submitted an official application to join the European Union, officially joining in 2013. In 2009, the HDZ political party in this country accomplished its goal of securing NATO membership for this country. While they do accept Euros as a member of the European Union, the official currency of this country is the Kuna, (*) which can be divided into smaller Lipa units. For ten points, name this Balkan country whose capital city is Zagreb.**

ANSWER: Republic of Croatia (or Republika Hrvatska)

(bonus) A rebellion on this island was known as this island's "Vespers." For ten points each,

* Name this island that borders the Strait of Messina. This island united with Naples to form a kingdom named after this island.

ANSWER: Sicily (accept Sicilia; accept Kingdom of Sicily)

* Sicily is part of what is now this country, which was united in the *Risorgimento*. Leaders from this country include Giuseppe Garibaldi.

ANSWER: Italy (or Italian Republic; or Repubblica Italia)

* The first king of modern Italy was this monarch from the House of Savoy. This king's prime minister was the Count of Cavour.

ANSWER: Victor Emmanuel II (or Vittorio Emanuele II; prompt on partial answers)

(8) **A poem by this author opens with the line "I like to see it lap the Miles." This poet quipped, "Success is counted sweetest/by those who ne'er succeed" and described a concept that "perches in the soul" in "Hope is the thing with (*) feathers." One of this author's poems describes a "swelling of the ground" and horses' heads turned "toward eternity." For ten points, identify this U.S. poet of "Because I could not stop for death."**

ANSWER: Emily Dickinson (or Emily Elizabeth Dickinson)

(bonus) In this work, the drug "melange" is found to have life-extending properties.
For ten points each,

* Name this 1965 science fiction novel in which Paul Atreides becomes the steward of Arrakis. Paul was played by Timothée Chalamet in the 2021 film version of this novel.

ANSWER: **Dune**

* *Dune* was written by this author who once worked in Pakistan as an ecological consultant.

ANSWER: Frank **Herbert** (or Frank Patrick **Herbert**, Jr.)

* In 2007, Herbert's son, Brian, published the final novel in the *Dune* series, titled for these giant producers of melange on Arrakis.

ANSWER: **Sandworms** (accept **Sandworms of Arrakis**; accept **Shai-Hulud**; prompt on "Worms")

Extra Question

(1) In 1987, baseball player Dave Bresnahan sculpted one of these to use in a trick play. The HERB-1 strain of *Phytophthora infestans* [[fy-TOFF-thoh-rah in-FESS-tans]] took advantage of a lack of genetic diversity to decimate this crop (*) in Ireland, causing a disaster worsened by the Corn Laws. The Russet variety of this crop is often associated with Idaho. For ten points, name this tuber which is often used to make vodka.

ANSWER: **Potato** (accept Russet **potato**; accept Irish **Potato** Famine)

(bonus) Some of the busiest airports in the world are found in the United States. For ten points each,

* This airport in Rosemont was formerly the busiest airport in the U.S. With Midway, what is this airport that serves the Chicago Area?

ANSWER: **O'Hare** International Airport (or **ORD**)

* This city's airport, the third busiest in the U.S., is the focus of many conspiracy theories due to its eccentric artworks. What is this city which is also the hub for Frontier Airlines?

ANSWER: **Denver**

* What city's Hartsfield-Jackson airport is now the busiest in the U.S.?

ANSWER: **Atlanta**