

ACF Format Set
Sample Round

Tossups

1. In August 2010, this nation saw the discovery of a mass grave containing at least 72 bodies near a ranch. The Zeta crime syndicate and Sinaloa drug cartel operate in this nation. President Felipe Calderon has tried to curb drug violence in this nation, especially in Ciudad Juarez and Nuevo Laredo. For 10 points, name this nation, the southern neighbor of the U.S.

ANSWER: **Mexico**

2. The first major dissenter from this thinker's views was Alfred Adler. This man created the idea of the Electra and Oedipus complexes. One of this man's most famous works asserts that the title entities are all means of wish-fulfillment; that work is *The Interpretation of Dreams*. For 10 points, name this Austrian psychologist who founded psychoanalysis.

ANSWER: Sigmund **Freud**

3. This state is home to Lake Mono and Lake Tahoe. The tallest mountain in the lower 48 states appears in this state home to Yosemite Valley and Sequoia National Park, while the San Andreas fault runs under this state. For 10 points, name this US state home to both the Mojave Desert and Death Valley, with capital at Sacramento.

ANSWER: **California**

4. This composer's Hammerklavier is known for its difficulty, while his piano sonatas include the Appassionata and Pathétique. His sixth symphony is known as the "Pastoral," while his third is the "Eroica." For 10 points, name this German composer of the Moonlight Sonata, whose ninth symphony contains lyrics from the Ode to Joy.

ANSWER: Ludwig van **Beethoven**

5. This leader began the swadeshi program of protesting foreign goods, which included an emphasis on homespun cloth. This leader who was succeeded by Nehru led the salt march against a tax on that substance, and was assassinated because he insisted on paying 550 million rupees to Pakistan. For 10 points, name this supporter of satyagraha, or nonviolent resistance, who led the liberation of India.

ANSWER: Mohandas Ketchurian **Gandhi** [or Mahatma **Gandhi**; or **Bapu**]

6. This artist painted a curved brown path in his *Wheatfield With Crows*, and he included two chairs in a painting of a blue-walled room. This painter of the *Bedroom in Arles* also put a blue spire in the middle ground of a work with undulating cypresses and blue hills. For 10 points, name this painter noted for his sunflowers and the *Starry Night*, who is most famous for cutting off his ear.

ANSWER: Vincent **Van Gogh**

7. This woman was the sister of Stheno and Euryale, who were afflicted by the same curse. That curse came after this woman had an affair with Poseidon in Athena's temple. This woman's death came after the son of Zeus and Danaë appeared with a reflective shield. For 10 points, name this Gorgon with snakes for hair who turned men who saw her into stone until Perseus killed her.

ANSWER: **Medusa**

8. This man's troops defeated Russia at the battles of Friedland and Borodino. After returning from Elba, this Corsica-born military leader was exiled to St. Helena after losing to the combined forces of Blucher and the Duke of Wellington at Waterloo. For 10 points, name this early 19th century French military leader who actually wasn't particularly short for his time.

ANSWER: **Napoleon Bonaparte** [accept either; or either of **Napoleone Buonaparte**; also accept **Napoleon I**; do not accept "Napoleon II" or "Napoleon III"]

9. One branch of this religion is divided into Ismaili and Twelvers, and mystics in this religion are known as sufis. One duty in this religion is the donation of zakat, while another is the Shadha. The most famous duty of this religion involves circling the Kaaba seven times; that duty is the hajj. For 10 points, name this religion which regards Muhammad as god's final prophet.

ANSWER: **Islam**

10. Ceva's Theorem provides a test for whether cevians in this shape are concurrent. An Euler line is formed by the centroid, orthocenter, and circumcenter of this shape. The law of sines equates the ratios of this shape's side lengths to the sines of the opposite angles. This shape's area can be calculated using Heron's formula and its solid of revolution is a cone. For 10 points, name this three sided polygon.

ANSWER: **triangle**

11. This man's presidency saw Brigade 2056 disastrously storm a beach, as well as Sargent Shriver's creation of a civilian foreign service program. In addition to the Bay of Pigs and the creation of the Peace Corps, this man laid the seeds for the Vietnam War by sending US advisors there. For 10 points, name this president who was succeeded by Lyndon Johnson after being assassinated in 1963.

ANSWER: John F. **Kennedy**

12. This is the only one of the four fundamental forces without a known force carrier particle. Einstein described it as a curvature in spacetime, while this interaction's universal law describes its force as proportional to the masses of two objects and inversely proportional to the square of the distance between them. For 10 points, name this fundamental interaction explained by Isaac Newton which attracts masses to one other.

ANSWER: **gravity** [or **gravitation**]

13. Exceptions to this right include the Miller test and the outcome of *Schenck v. U.S.*, which established the "clear and present danger" rule. The case *Tinker v. Des Moines* dealt with the symbolic variety of this freedom in a school setting. For 10 points, name this freedom guaranteed by the first amendment that allows individuals to express their ideas without censorship.

ANSWER: freedom of **speech**[prompt on **first amendment** before mentioned]

14. This author invented the detective story in his work *The Murders in the Rue Morgue*, while another of his stories deals with the murder of an old man with a “vulture eye.” This author wrote a poem about how the title creature “came a tapping, As of someone gently rapping, rapping at my chamber door.” For 10 points, name this Baltimore author of “The Telltale Heart” “The Raven”

ANSWER: Edgar Allan **Poe**

15. Raymond Davis won a Nobel prize for detecting neutrinos in this celestial body, one region of which is the chromosphere. The frequency of patches found on this body tends to follow an eleven-year cycle; these are its namesake spots. Proxima Centauri is the closest other star to this one. For 10 points, name this star located about 93 million miles from the Earth.

ANSWER: the **Sun**

16. This man wrote “so long live this and it gives life to thee” in his sonnet 18, while Ariel is freed by Prospero in his *The Tempest*. This man also described Gloucester’s blinding in a play about the father of Cordelia and another work in which a sword-thrust through a curtain kills Polonius. For 10 points, name this author of *King Lear* and a work in which the title Dane says “To be or not to be,” *Hamlet*.

ANSWER: William **Shakespeare**

17. Structures in this organ include the glomerulus, Bowman’s capsule, and the Loop of Henle. Calcium oxalate crystals can form objects in this organ made up of nephrons; those objects are this organ's painful namesake stones. For 10 points, name this organ which filters wastes from blood to create urine.

ANSWER: **kidney**

18. One song by this group has a speaker who ends up sleeping in a bathtub. In addition to *Norwegian Wood*, this group wrote a song proclaiming “You can talk to me,” *Hey Bulldog*. Their first big hit was *Love Me Do*, and other albums by this band include *Rubber Soul*, *Revolver*, and *Yellow Submarine*. For 10 points, name this British group behind *Sgt. Pepper’s Lonely Hearts Club Band*.

ANSWER: The **Beatles**

19. One author from this country wrote about Julian Sorel in *The Red and The Black*. In addition to Stendhal, another author from this country wrote about the title lover of Leon Dupuis and wife of Charles in *Madame Bovary*. In a novel set in this country, Javert does not turn in Jean Valjean. For 10 points, name this country where *Les Miserables* is set, the home of Gustave Flaubert and Victor Hugo, who lived in its capital Paris.

ANSWER: **France**

20. The philologist Elwin Ransom is the protagonist of this author’s *Space Trilogy*, and he also wrote a work of Christian apologetics entitled *The Screwtape Letters*. However, this author is best known for a series in which the Pevensie siblings visit the title location and meet Aslan. For 10 points, name this author of *The Chronicles of Narnia*, which includes *The Lion, the Witch, and the Wardrobe*.

ANSWER: Clive Staples **Lewis**

Replacement Tossups

1. The feat usually attributed to this man was actually completed by Juan Sebastian Elcano aboard the *Victoria*. This man's travels were related by Antonio Pigafetta, and he quelled an Easter mutiny against him in Argentina before being killed a year later in a skirmish in the Philippines. For 10 points, name this Portuguese navigator whose crew completed the first circumnavigation of the Earth.

ANSWER: Ferdinand **Magellan**

2. One short story by this author sees its title character's wife Faith take part in witchcraft in the woods. In addition to *Young Goodman Brown*, this author wrote a book in which the Pynchons own the title residence. In another book by this author, Roger Chillingworth is the former husband of Hester Prynne. For 10 points, name this man who wrote *The House of the Seven Gables* and *The Scarlet Letter*.

ANSWER: Nathaniel **Hawthorne**

3. This process consists of the light and dark reactions. This process occurs in the thylakoids and stroma of chloroplasts, which make up the chlorophyll which capture the light energy that drives this process. For 10 points, name this process used by plants to convert carbon dioxide into sugars and oxygen.

ANSWER: **photosynthesis**

Bonuses

1. Pencil and paper ready. Josh's first four math test scores are 65, 55, 70, and 42. For 10 points each:
[10] What must he make on his fifth test in order to pass his class with a score of exactly 60%?

ANSWER: **68**

[10] Assume that Josh made a 68 on his fifth test. Find his median test score.

ANSWER: **65**

[10] This term refers to the value that occurs in a data set most frequently. The set of Josh's math test scores does not have one of these.

ANSWER: **mode**

2. Name some Jewish holidays, for 10 points each:

[10] This holiday commemorates the rededication of the temple. It is most famous for involving menorahs and dreidels, not to mention latkes.

ANSWER: **Hanukah** [or **Chanukah**; accept reasonable equivalents]

[10] This day of repentance begins with the Kol Nidre prayer. It is the most famous fast in the Jewish calendar.

ANSWER: **Yom Kippur**

[10] Yom Kippur concludes this ten-day period that begins with Rosh Hashanah.

ANSWER: **High Holy Days** [or **Days of Awe** or **Yamim Noraim**]

3. Name some layers of the Earth, for 10 points each:

[10] This is the outermost layer of the Earth. The oceanic and continental varieties have different compositions, especially with regards to incompatible elements.

ANSWER: **crust**

[10] Convection currents cause circulation in this region below the crust. It is predominantly solid and accounts for most of the Earth's volume.

ANSWER: **mantle**

[10] The center of the Earth is given this term. It is composed of mainly an iron-nickel alloy and it is a solid sphere, distinct from its liquid counterpart.

ANSWER: **inner core**

4. Answer some questions about Pixar movies, for 10 points each.

[10] The title character of this movie is a 700 year-old trash compactor robot that collects knick-knacks.

ANSWER: ***WALL-E***

[10] This movie is about a quest of Marlin and Dory to go to Sydney, Australia to rescue the title fish.

ANSWER: ***Finding Nemo***

[10] This less well-known Pixar movie includes the characters Flik and Dot, who are saved at its end by a flock of hungry birds.

ANSWER: ***A Bug's Life***

5. It includes Spanish, French, and Romanian. For 10 points each:

[10] Name this family of languages, which is descend from the Latin Vulgate.

ANSWER: **Romance** Languages

[10] The Romance languages are part of this larger language family along with Greek, Iranian, and Germanic languages.

ANSWER: **Indo-European** Languages

[10] This branch of anthropology studies languages and language families like Indo-European. Notable figures in this field include Ferdinand De Saussure and Noam Chomsky

ANSWER: **Linguistics**

6. Its first day was Black Tuesday. For 10 points each:

[10] Name this economic downturn which began with the stock market crash of 1929 which some say was worsened by the actions of President Herbert Hoover.

ANSWER: **Great Depression**

[10] Hoover was succeeded by Franklin Roosevelt, who enacted this broad plan to try to stop the Depression, which included the creation of the Tennessee Valley Authority.

ANSWER: **New Deal**

[10] Opposition to the New Deal by members of this government body resulted in Roosevelt trying to “pack” it with members supporting his efforts.

ANSWER: **Supreme Court** [prompt on “Judicial Branch” or “Courts”]

7. It is home to the Incan structure of Machu Picchu. For 10 points each:

[10] Name this South American nation with capital at Lima.

ANSWER: **Peru**

[10] This other South American country is known for its petroleum industry. It is led by President Hugo Chavez.

ANSWER: **Venezuela**

[10] This Argentine city is famous for its carnival and statue of Christ the Redeemer.

ANSWER: **Rio de Janeiro**

8. Name some instruments and people who played them, for 10 points each:

[10] This instrument has a keyboard with white and black keys, which, when pressed, cause a hammer to strike strings. Frederic Chopin’s Minute Waltz was written for one of these.

ANSWER: **piano**

[10] This half-sized flute takes its name from the Italian word for small. It features prominently in John Philip Sousa *Stars and Stripes Forever*.

ANSWER: **piccolo**

[10] This man once played an amplified cactus as an instrument. His avant-garde minimalism is exemplified by his composition 4' 33" [“Four minutes and 33 seconds”], which consists of that duration of silence.

ANSWER: John **Cage**

9. It was preceded by a customs union called the Zollverein. For 10 points each:

[10] Name this nation unified in 1871 from territories such as Bavaria and Saxony. It was again divided following World War II, but reunited in 1990.

ANSWER: **Germany**

[10] This man was the first chancellor of a unified Germany. During his term, he instituted the Kulturkampf campaign against the Roman Catholic Church.

ANSWER: Otto von **Bismarck**

[10] During his tenure, Bismarck also implemented a number of laws opposing this political philosophy, which many have accused President Obama of promoting.

ANSWER: **Socialism** [do not accept "Communism"]

10. Name some things about fluids and the principles that govern them for 10 points each:

[10] This principle states that a floating object displaces its own weight of fluid. It was discovered by a Greek scientist who exclaimed "eureka" upon doing so.

ANSWER: **Archimedes'** Principle

[10] This is the measure of a fluid's resistance to change and can be thought of as its thickness. Hence, water has a relatively low value for this while corn syrup has a much higher value.

ANSWER: **viscosity**

[10] This principle, named for a Swiss mathematician, states that as the speed of a fluid increases, its pressure or potential energy decreases.

ANSWER: **Bernoulli's** Principle

11. The fact that the president is the commander-in-chief of the armed forces, but only Congress can declare war, is an example of this system. For 10 points each:

[10] Name this system wherein power is separated between the three branches of government, and each branch can limit the power of the other branches through a system of the two title objects.

ANSWER: **checks** and **balances**

[10] This check on the power of the executive and judicial branches is the process whereby a government official is accused of misconduct in office or breaking the law. It has only happened to two U.S. presidents, Andrew Johnson and Bill Clinton.

ANSWER: **impeachment** [accept word forms]

[10] One executive branch check on the legislative branch is this action where the president does not sign a bill and waits till Congress adjourns, thus keeping the bill from becoming a law.

ANSWER: **pocket veto**

12. Its protagonist rejects the clergyman Mr. Collins. For 10 points each:

[10] Name this English novel about the love affair between Elizabeth Bennet and Fitzwilliam Darcy.

ANSWER: ***Pride and Prejudice***

[10] This author who told the story of the Dashwood sisters in *Sense and Sensibility* wrote *Pride and Prejudice*.

ANSWER: Jane **Austen**

[10] This friend of Darcy's introduces him to Elizabeth, and later goes on to marry her sister Jane.

ANSWER: Charles **Bingley**

13. Name these molecules important to human health, for 10 points each:

[10] This class of molecules is made up of carbon as well as hydrogen and oxygen in a two-to-one ratio. Examples include glucose, sucrose, and other sugars and starches.

ANSWER: **carbohydrates**

[10] Proteins are made up of these building blocks that have an amine group and a carboxyl group. Examples of the twenty different types of them are glycine, tryptophan, and cysteine.

ANSWER: **amino acids**

[10] This steroid that maintains membrane fluidity is divided into HDLs, which are often referred to as the “good” type of these molecules, and LDLs, known as the “bad” type because they signal heart problems.

ANSWER: **cholesterol**

14. For 10 points each, name these conservative political personalities.

[10] This current Fox News commentator resigned as the governor of Alaska after running on the 2008 Republican presidential ticket with John McCain.

ANSWER: Sarah **Palin**

[10] This former Arkansas governor and weight loss guru also has his own show on Fox News. He mounted an early challenge to McCain in the 2008 primaries.

ANSWER: Mike **Huckabee**

[10] Mike Huckabee’s presidential run was backed by this outspoken martial arts artist and former star of *Walker, Texas Ranger* who is the subject of many jokes.

ANSWER: Chuck **Norris**

15. This god was the son of Nephthys. For 10 points each:

[10] Name this jackal-headed god, the inventor of mummification:

ANSWER: **Anubis** [or **Inpu** or **Anupu** or **Inepw** or **Yinepew**; accept reasonable pronunciations]

[10] This god was mummified by Anubis after being murdered by Seth. He fathered Anubis by Nephthys.

ANSWER: **Osiris** [or **Asar**; or **Unnefer**; accept reasonable pronunciations]

[10] Anubis and Osiris were worshiped in an ancient civilization that existed in this modern-day country, the capital of which is Cairo:

ANSWER: Arab Republic of **Egypt**

16. Its title character has a sociopathic brother named Peter, who manipulates world politics under the pseudonym “Locke”. For 10 points each:

[10] Name this novel in which the title character is taken to the Battle School to be trained in military strategy so that he can kill a race of aliens, the Formics, or Buggers.

ANSWER: **Ender’s Game**

[10] This author of *Ender’s Game* also wrote about the planet Harmony in the Homecoming Saga.

ANSWER: Orson Scott **Card**

[10] In this sequel to *Ender’s Game*, Andrew Wiggin arrives on the planet Lusitania, home to the Pequeninos, or Piggies, an alien species with a special relationship with trees.

ANSWER: **Speaker for the Dead**

17.His *Last Judgment* was defaced by the orders of the Council of Trent. For 10 points each:

[10] Name this painter of the Sistine Chapel's ceiling and sculptor of *David*

ANSWER: **Michelangelo** di Lodovico Buonarroto Simoni

[10] Michelangelo was a contemporary of this artist, who painted the *School of Athens*.

ANSWER: **Raphael** or **Raffaello** Sanzio

[10] Michelangelo and Raphael both worked during this period, which saw the development of mathematical perspective and revival of interest in classical art.

ANSWER: Italian **Renaissance** [or **Rinascimento**]

18.They battled the Voortrekkers at Blood River. For 10 points each:

[10] Name this African tribe which was led by Shaka.

ANSWER: **Zulu**

[10] One innovation introduced by Shaka to the Zulu was the introduction of a short stabbing version of this weapon also used by Greek hoplites. Pikes are a longer version of this weapon.

ANSWER: **Spear**

[10] Conflict between the Zulu and Europeans took place in this modern day nation with three capitals at Bloemfontain, Pretoria, and Johannesburg.

ANSWER: Republic of **South Africa**

19.One scene in this novel sees Jem and Scout saved by Boo Radley from an attack by Bob Ewell as they return from a Halloween pageant. For 10 points each:

[10] Name this novel set in the fictional town of Maycomb, Alabama which describes the trial of Tom Robinson, who was wrongly accused of raping Mayella Ewell.

ANSWER: ***To Kill a Mockingbird***

[10] *To Kill a Mockingbird* was the only novel written by this author awarded the Presidential Medal of Freedom in 2007.

ANSWER: Harper **Lee**

[10] This central character of *To Kill a Mockingbird* is the father of Jem and Scout Finch. He is Tom Robinson's lawyer and advises climbing "into a man's skin" and "walking around in it" to understand his perspective.

ANSWER: **Atticus** Finch

20.The protagonist of this book goes crazy after reading medieval fantasy novels like *Amadis of Gaul*. For 10 points each:

[10] Name this novel about a man who believes himself to be a knight and attacks windmills, who is accompanied by his squire Sancho Panza.

ANSWER: *The Ingenious Hidalgo* **Don Quixote** De La Mancha [or *El Hidalgo Ingenioso* **Don Quixote** De La Mancha]

[10] This autor of *La Galatea* also wrote *Don Quixote*.

ANSWER: Miguel De **Cervantes** Saavedra

[10] Cervantes was a resident of this country, which was also home to the playwright Lope de Vega.

ANSWER: **Spain**

Replacement Bonuses

1. Name some famous physicists, for 10 points each:

[10] This Italian discovered the four largest moons of Jupiter with a telescope, was placed under house arrest by the Church for claiming that the earth revolves around the sun

ANSWER: **Galileo Galilei** [accept either]

[10] This Danish physicist helped with the formulation of quantum mechanics and proposed his namesake model of the atom, in which electrons orbited around the nucleus.

ANSWER: Niels **Bohr**

[10] This theoretical physicist predicted the emission of his namesake radiation by black holes and also wrote the bestseller *A Brief History of Time*. He is also paralyzed by ALS.

ANSWER: Stephen **Hawking**

2. Answer some questions about *The Call of the Wild*, for 10 points each.

[10] This man wrote *The Call of the Wild*.

ANSWER: Jack **London**

[10] This dog, the protagonist of *The Call of the Wild*, is owned by Thornton before eventually joining a pack of wolves.

ANSWER: **Buck**

[10] *The Call of the Wild* is set in this Canadian territory, the namesake of a famous gold rush.

ANSWER: The **Yukon**

3. It was involved in the Pig War. For 10 points each:

[10] Name this country invaded by the United States in the Revolution when Benedict Arnold attempted to capture Quebec.

ANSWER: **Canada**

[10] Another American invasion of Canada occurred during this war, which saw the penning of the Star Spangled Banner.

ANSWER: **War of 1812**

[10] One cause of the War of 1812 was this British practice, which saw British warships kidnap American sailors and force them to join the Royal Navy.

ANSWER: **Impressment**