



## CATEGORY ROUND

### American Literature: FLORID POETRY

Team A: What British Romantic wrote "Ah, Sunflower" as well as a poem about syphilis, "The Sick Rose"?

ANSWER: William Blake

Team B: What American poet wrote "To the Fringed Gentian," "The Yellow Violet," and "To a Waterfowl"?

ANSWER: William Cullen Bryant

This poet included "September on Jessore Road" in his collection *The Fall of America*. One poem by this man asks, "When did you look at your skin and decide you were an impotent dirty old locomotive?" This poet asked Walt Whitman which way his beard points in another poem. This poet of "Sunflower Sutra" and "A Supermarket in California" repeatedly invoked Moloch in the second section of another poem in which he famously declared, "I saw the best minds of my generation destroyed by madness." Name this Beat poet of "Howl."

ANSWER: Allen Ginsberg [or Irwin Allen Ginsberg]

### Mathematics: Solid Geometry (All questions in this round are 20 seconds)

Team B: What is the surface area of a tetrahedron in which each edge is 4 inches long? Express your answer in simple radical form.

ANSWER: 16 times the square root of 3 square inches [or 16 times radical 3 square inches]

Team A: What is the volume of a cube with surface area 24 square centimeters?

ANSWER: 8 cubic centimeters

Tossup: This operation only exists in seven-space and in three-space. This operation will give the normal to a plane when applied to an independent basis spanning the plane. It can be evaluated by finding the determinant of a three-by-three matrix consisting of the two inputs. It gives the unit vector  $\mathbf{k}$  when applied to  $\mathbf{i}$  and  $\mathbf{j}$ . The right-hand rule is used to find the direction of the result of this operation, which has a magnitude proportional to the sine of the angle between the two input vectors and is perpendicular to them. Name this method of vector multiplication distinct from a dot product.

ANSWER: cross product [or vector product]

## World History: Resource Issues

Team A: Give the name of the blockade begun in 1806 with the Edict of Berlin that prevented French allies and neutral countries from trading with Great Britain.

ANSWER: Continental System

Team B: What campaign was also known as Operation Viddles and saw the delivery of over two billion tons of supplies to a European city during a 1948-1949 Soviet blockade?

ANSWER: Berlin Airlift

One leader of this country received a telegram from Salvador Dali about "introducing the presidential scepter." This country's secret police was the Securitate (sek-YUR-it-ot). During World War II, this country was led by the Iron Guard, and its oil refineries were bombed in Operation Tidal Wave. On Christmas Day 1989, the Communist leader of this country and his wife Elena were executed. Name this Eastern European nation once led by dictator Nicolae Ceausescu (cho-CHES-kew).

ANSWER: Romania

## Fine Arts: MUSICAL INSPIRATIONS

Team B: This American won the 2003 Pulitzer Prize in Music for his 9/11-influenced piece *On the Transmigration of Souls*, and he also wrote an opera about Nixon's trip to China.

ANSWER: John Adams

Team A: This English composer was influenced by a trip to Italy for his overture *In the South*, and borrowed a quote from *Othello* to title a set of six marches.

ANSWER: Edward Elgar

Tossup: This composer was inspired by a storm in Majorca to repeat the note A-flat in imitation of the title phenomenon in his Raindrop Prelude, which is similar to the third of his four ballades. Famous pieces by this composer include a work inspired by the November Uprising in his home country, the funeral march from his second piano sonata, and a piece depicting a small dog chasing its tail, whose title does not reflect its duration. Name this composer of the Revolutionary Etude and Minute Waltz who hailed from Poland.

ANSWER: Frédéric François Chopin

## Life Sciences: Parts of Organs

Team A: These groups of cells in the pancreas are responsible for secreting insulin and glucagon.

ANSWER: islets of Langerhans

Team B: These cells in the stomach are responsible for secreting hydrochloric acid.

ANSWER: parietal cells [or oxyntic cells]

Similarly to the cochlea, ribbon synapses are found in this organ's bipolar cells. This organ contains Muller cells, which may explain this organ's "backward" function, and amacrine cells. At the center of this organ is the fovea. Namesake ganglion cells exit this organ in an area responsible for the "blind spot." Name this light-sensing organ containing rods and cones, which is found at the back of the eye.

ANSWER: retina [prompt on eye]

## World Literature: ASIAN AUTHORS

Team B: Name the author who wrote about the deterioration of Amir's relationship with his half-brother Hassan, the title character of *The Kite Runner*.

ANSWER: Khaled Hosseini

Team A: Name the contemporary Japanese novelist who wrote about Nakata's encounter with the title character in *Kafka on the Shore* and about the strange adventures of Toru Okada after his cat runs away in *The Wind-Up Bird Chronicle*.

ANSWER: Haruki Murakami

Tossup: This author wrote a novel in which the female mountaineer Allie Cone is killed by her lover. In that book, he described two actors trapped on a hijacked plane that explodes over the English Channel. This man created a character born on August 15, 1947, who possesses telepathic powers. His protagonists include Saleem Sinai, who is born at the moment of India's independence. Name this Indian author who became the target of an Iranian *fatwa* after writing *The Satanic Verses*.

ANSWER: Salman Rushdie [or Ahmed Salman Rushdie]

## US Government/Economics: Op-Eds

Team A: What CEO of Berkshire Hathaway and so-called "Wizard of Omaha" wrote a 2012 op-ed piece calling for a minimum tax for the wealthy?

ANSWER: Warren **Buffett**

Team B: In 2012, what man wrote an op-ed piece calling for a "New Course for the Middle East", and in a private speech claimed that 47 percent of Americans pay no income tax and are dependent on the government?

ANSWER: Willard Mitt **Romney**

Tossup: In a 2009 op-ed, Hendrik Hertzberg likened the current mayor of this city to Crassus because both men infantilized the public they ruled. This city's government partnered with Microsoft to develop the "Domain Awareness System," a massive camera surveillance project. Jimmy MacMillan has run for office several times in this city under the "Rent is 2 Damn High Party." The current mayor of this city launched a cash transfer program called "Opportunity," extended a public smoking ban, and banned large sodas. Name this city, led by mayor Michael Bloomberg.

ANSWER: **New York** City [or **NYC**]

## Physical Sciences: The Earth

Team B: This process occurs when oceanic lithosphere collides with and sinks below continental lithosphere.

ANSWER: **subduction**

Team A: This outermost layer of the earth consists of the crust and upper mantle, terminating at the asthenosphere.

ANSWER: **lithosphere**

Tossup: Cataclasites are rocks associated with these structures. These geologic structures separate horsts and grabens. These structures are the subject of elastic-rebound theory. They can be classified depending on the direction their hanging wall moves in relation to their footwall. Types of these structures include normal, reverse, thrust and strike-slip. They are breaks in the Earth's crust along which rocks have moved past each other. Identify these structures along which earthquakes generally occur and which include the San Andreas one.

ANSWER: tectonic **faults** [or **shear zones**]

## World Geography: Bridges

Team A: What European city's landmarks include the "Bridge of Sighs"?

ANSWER: **Venice**, Italia [or **Venezia**]

Team B: What oldest bridge across the Seine connects the left bank, the right bank, and the Ile de la Cite?

ANSWER: **Pont Neuf** [or **New Bridge**]

Tossup: This city's Great Strahov Stadium is located on its Petrin Hill. A giant functional metronome is located in this city's Letna Park. This city's Pisek Gate and Church of Our Lady Victorious are both located in its Lesser Town. Its Charles Bridge is located near Old Town Square. This city's St. Vitus' Cathedral stores its nation's crown jewels. This city is home to a work of Frank Gehry, Dancing House, and its New Town is home to Wenceslas Square. Name this Bohemian city, the capital of the Czech Republic.

ANSWER: **Prague**

## American History: Veto Power

Team B: Besides regular veto power, presidents can also use this type of veto in which they merely take no action on a bill, but because Congress is adjourned, no vote takes place and the bill does not become law.

ANSWER: **pocket** veto

Team A: Jimmy Carter initially vetoed, but later created, what Cabinet Department, which was first led in the Obama administration by Nobel Prize-winner Steven Chu?

ANSWER: Department of **Energy**

Tossup: This President blocked trade on the Great Lakes by vetoing the Rivers and Harbors Bill. This President repealed the Black Tariff in favor of the Walker Tariff. One of this man's military decisions was criticized by Lincoln in the Spot Resolutions. During his presidency, the United States gained the Oregon Territory and annexed Texas. The Treaty of Guadalupe Hidalgo was agreed upon during his term. Name this dark horse eleventh President who was in office during the Mexican-American War.

ANSWER: James Knox **Polk**

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1. Samuel Langhorne Clemens
2. Cleopatra VII Philopator
3. clouds
4. Mary Cassatt
5. Corinth [or Corinthians]
6. Geoffrey Chaucer
7. carpetbaggers
8. cytokinesis
9. Choral
10. Circe
11. Anton Chekhov
12. Catherine the Great [or Catherine II]
13. chemist
14. Sir Charles "Charlie" Chaplin
15. Confucius
16. Cuba
17. Cesar Chavez
18. Casimir Effect
19. Captain America
20. Capri

## FINAL ROUND

1. The seven-year-old Philip tries to understand his butler Baines's affair in this man's short story "The Basement Room." In one of his novels, a man marries the waitress Rose to keep her from providing evidence to the police. This author of *Brighton Rock* wrote about a man on the run from the lieutenant who is eventually betrayed by the mestizo. That character is a whiskey priest living in an anti-clerical Mexican state. Name this British novelist of *The Power and the Glory*.

ANSWER: Graham **Greene** [or Henry Graham **Greene**]

121-13-81-02101

2. This phenomenon's relationship to the number of subjects involved was studied by Darley and Latane, and this phenomenon is an example of social loafing. A famous example of this phenomenon took place in New York when Winton Moseley stabbed a woman named Kitty Genovese. Identify this social phenomenon in which the presence of other people in a given emergency or situation decreases the likelihood of individuals providing help on their own.

ANSWER: **bystander** effect [or Kitty **Genovese** effect or syndrome before mentioned]

189-13-81-02102

3. At the end of this time period, gifts of new clothing are exchanged. On its twenty-seventh day, the Night of Power occurs. The name for this period means "scorched." This period comes between Shaban and Shawwal, and it is chiefly observed through the practice of "sawm." During this period, the pre-dawn meal is called "suhoor" and the evening meal is "iftar." It ends at Eid al-Fitr (EED-ahl-FIT-ur), and is observed by fasting during daylight hours. Name this month of the Islamic calendar.

ANSWER: **Ramadan**

019-13-81-02103

4. When one side of this equation is divided by the other, a parameter symbolized  $Z$ , called the compressibility factor, is obtained. One correction to this equation uses parameters symbolized  $a$  and  $b$ , representing molecular volume and attractive forces. The virial equation is a more useful correction to this equation. A restatement of this equation uses particle number times Boltzmann's constant, rather than number of moles times this law's namesake constant. This law is a combination of Guy-Lussac's, Charles', and Boyle's Law. Name this law often stated " $PV = nRT$ ".

ANSWER: **ideal gas** law

190-13-81-02104

5. A U-shaped one of these devices was designed by James Six to record maximums and minimums over a certain time period. A sealed cylinder of water with glass bulbs of differing densities makes up one of these devices named for Galileo. Santorio Santorio is usually credited with the invention of the "clinical" one of these things, which was placed a patient's tongue. The most common type of this device today uses mercury, which was invented by Daniel Fahrenheit. Identify this device used to measure temperature.

ANSWER: **thermometer** [or **thermoscope**]

066-13-81-02105

6. One ambassador from this country married George Clinton's daughter and tried to raise a militia. Elbridge Gerry, John Marshall, and Charles Pinckney were in this nation when the Pinckney said "Not a sixpence!" This country's navy prevented Thomas Graves' fleet from reinforcing Lord Cornwallis at Yorktown. This nation fought the United States in the undeclared Quasi-War. Name this country, home to Comte Rochambeau (row-SHAM-bow) and the Marquis de Lafayette.

ANSWER: **France** [or **French Republic**; or **Republique Francaise**]

052-13-81-02106



7. The protagonist of this novella continually encounters disturbing red-haired men, such as a musician and a boatman who says, "You will pay." He also sees various warnings not to eat shellfish. This novella's main character eats some overripe strawberries and sits on the beach watching two boys fight. The protagonist becomes entranced by an adolescent boy named Tadzio. At the end of this novella, the protagonist is infected as a result of the cholera epidemic. Name this Thomas Mann novella about Gustav von Aschenbach visiting the title Italian city.

ANSWER: **Death in Venice** [or *Der Tod in Venedig*]

052-13-81-02107

8. In his *Double Portrait in a Honeysuckle Bower*, this man commemorated his marriage to Isabella Brant. This man depicted the *Flight from Blois* and the *Disembarkation at Marseilles* in his cycle depicting the life of Marie de Medici. This man painted two versions of the *Judgment of Paris*, but is better known for a triptych in which eleven muscular men use a ladder to accomplish the title action after the Crucifixion. Name this Flemish artist who painted the *Descent from the Cross* triptych for the Cathedral of Our Lady in Antwerp, known for his numerous full-figured nudes.

ANSWER: Peter Paul **Rubens**

030-13-81-02108

9. A hero of this movement known as "the Engineer" was killed in 1996 while talking on his cell phone, which was rigged with RDX explosives. In 2011, this organization negotiated the release of over a thousand prisoners in exchange for turning over kidnapped soldier Gilad Shalit. This target of Operations Pillar of Defense and Cast Lead has a military wing, the Izz ad-Din al-Qassam Brigades, that habitually fires rockets into Israel. Name this Islamist organization that governs the Gaza Strip.

ANSWER: **Hamas** [or **Harakat al-Muqawamah al-Islamiyyah**; or the **Islamic Resistance Movement**; prompt on the Izz ad-Din al-**Qassam** Brigades until it is read; do not accept or prompt on "PLO," "Fatah", "Hezbollah," or other wrong answers]

080-13-81-02109

10. This building was originally designed by George Frederick Bodley but was overseen by Philip Frohman during the last fifty years of its eighty-three year construction, which ended in 1990 atop Mount St. Alban. It will become only the second-largest building of its type in the U.S. once New York's St. John the Divine is completed. Landmarks on its grounds include the Olmsted Woods, the only combination peal and carillon bell system in North America, and a Darth Vader gargoyle. Name this building in the District of Columbia which hosts Presidential funerals and prominent interfaith services.

ANSWER: Washington **National Cathedral** [or **Washington Cathedral**; or **Cathedral Church of St. Peter and St. Paul**]

019-13-81-02110

11. Men involved in the negotiation of this treaty included Johan Adler Salvius and Johann Krane, and the Duke of Mecklenburg ceded Wismar following this agreement. Count Maximilian von Trautmansdorff represented the Holy Roman Empire during the negotiations for this agreement, which consisted of two treaties signed at Munster and Osnabruck. Innocent X's "Zelo domus Dei" condemned this agreement, which reversed Ferdinand II's Edict of Restitution. This agreement re-affirmed the Peace of Augsburg. Identify this 1648 treaty which ended the Thirty Years' War.

ANSWER: Peace of **Westphalia**

189-13-81-02111

12. This expression was first coined, in German, in the Goethe (GUR-tuh) play *Clavigo* and was used to title a Johann Strauss waltz in 1885. In contemporary times, it is tattooed on Zac Efron's right hand, and Ervin McKinness tweeted it before dying in a drunk-driving crash. This expression first became a catchphrase after it was shouted in "The Motto" by Drake. Identify this popular hashtag of 2012, which refers to the number of chances one has at life.

ANSWER: #**YOLO** [or **You Only Live Once**]

019-13-81-02112

13. One piece by this man contains a slow trombone passage in A flat minor and a mysterious "Molto piu moderato" movement. A misattributed Saint Anthony theme is used in this man's *Variations on a Theme by Haydn*. One of this composer's symphonies uses an alphorn theme in its last movement; he replied "any ass can see that" when Hans von Bulow nicknamed that *First Symphony* by this man "Beethoven's Tenth."

Name this German classical composer of the *Tragic Overture*, who wrote a lied (leed) that is a commonly-sung lullaby.

ANSWER: Johannes **Brahms**

023-13-81-02113

14. One poem by this author discusses a figure who "scraped life with a fine-tooth comb," and "bore two babies under her maiden name." That figure is contrasted with her educated sister in "Sadie and Maud." This poet wrote of "plain chipware on a plain and creaking wood" in her "The Bean Eaters," and won a Pulitzer Prize for her *Annie Allen*. This woman's most famous poem concerns "The Pool Players. Seven at the Golden Shovel," and states, "We jazz June. We die soon." Identify this African American poet known for her short poem "We Real Cool."

ANSWER: Gwendolyn **Brooks** [or Gwendolyn Elizabeth **Brooks**]

189-13-81-02114

15. Along with the pons, this structure develops from the rostral rhombencephalon (rom-been-SEPH-ah-lon). The vermis separates the two hemispheres of this structure, whose other subdivisions include the flocculonodular node. The substantia nigra (sub-STAN-sha NEE-gra) are located within it, while mossy and climbing fibers converge upon it. Featuring Purkinje neurons, this structure is located below the cerebral cortex. Name this "little brain," whose responsibilities include coordinating motor actions.

ANSWER: **cerebellum**

192-13-81-02115

16. One poet from this nation wrote the lines "Before you, mother Idoto, naked I stand," in his work "Heavensgate." A playwright from this nation described the contest between Lakunle and Baroka for Sidi's hand in marriage in *The Lion and the Jewel*. That playwright described Olunde's suicide in *Death and the King's Horseman*. Ikemefuna dies in a novel from this country that centers on Okonkwo. Name this country home to Christopher Okigbo, Wole Soyinka, and the author of *Things Fall Apart*, Chinua Achebe.

ANSWER: **Nigeria** [or Federal Republic of **Nigeria**]

192-13-81-02116

17. This leader sent Boris Sheremetyev as an envoy to the Knights of Malta. During this man's reign, Yury Dolgorukov was assassinated, which sparked the Bulavin Rebellion. This ruler took part on an international expedition called the Grand Embassy while using the fake family name Mikhailov. Domestically, this man placed a tax on beards, weakening his country's noble class known as boyars. This man's forces fought the Battles of Narva and Poltava against Charles XII of Sweden during the Great Northern War. Name this modernizing, eighteenth-century tsar of Russia.

ANSWER: **Peter I** of Russia [or **Peter the Great**; or **Pyotr Alekseyevich**; or **Pyotr Veliky**; prompt on **Peter**]

192-13-81-02117

18. This leader was defeated in an election by the Janata Party and Morarji Desai. "Garibi Hatao," a phrase meaning "Stop Poverty," was used in several campaigns to elect this leader. The Smiling Buddha nuclear test was approved during this leader's tenure. After being indicted by her country's Supreme Court, this leader decided to call a State of Emergency in 1975. This woman ordered Operation Blue Star against Sikhs at the Golden Temple, which led to her assassination in 1984. Name this daughter of Jawaharlal Nehru who was a female Prime Minister of India.

ANSWER: **Indira Priyadarshini Gandhi** [prompt on **Gandhi**]

192-13-81-02118

19. A significant impetus for the idea behind this experiment and the explanation of its results were provided by Walter Elsasser. An oven was used in this experiment after the unintended formation of oxide film, and the results of this experiment were consistent with the predictions of Bragg's Law. This experiment used a setup involving the firing of electrons at a crystalline nickel target, and it was performed at Bell Labs. An important conclusion was drawn following the experimental observation of an intensity peak at certain scattering angles for the electron beam. Name this experiment confirming the de Broglie hypothesis of wave-particle duality.

ANSWER: **Davisson-Germer** Experiment

189-13-81-02119

20. This god warned Zeus against marrying Thetis for fear it would result in a son more powerful than his father. This god created the precedent of offering bones wrapped in fat as a gift to the gods instead of meat, and he was the brother of Epimetheus. In one legend, he warns his son Deucalion of a great flood. Pandora was created on Zeus' orders as punishment for the actions of this Titan, who was ultimately bound to a mountain in the Caucasus and has an eagle eat his immortal liver. Name this Greek Titan who was punished for his gift of fire to humanity.

ANSWER: **Prometheus**

030-13-81-02120

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1. \_\_\_\_\_

2. \_\_\_\_\_

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20. \_\_\_\_\_



## Alphabet Round- Letter C

Team Name: \_\_\_\_\_

1. \_\_\_\_\_

2. \_\_\_\_\_

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