



CATEGORY ROUND

American Literature: Contemplative People

Team A: The subject of a homage by John Berryman, name this early American poet who wrote *The Tenth Muse, Lately Sprung Up in America*.

ANSWER: Anne Bradstreet [or Anne Dudley]

Team B: What author of the poem "Old Ironsides" also wrote about a "ship of pearl" in his "The Chambered Nautilus"?

ANSWER: Oliver Wendell Holmes, Sr.

Tossup: In one poem, this man questioned the pride of landowners "who steer the plow, but cannot steer their feet clear of the grave." In addition to "Hamatreya," this author wrote a poem that states, "Here once the embattled farmers stood and fired the shot heard round the world." Plato, Swedenborg, and Napoleon were among the subjects of this author's *Representative Men*, and this man delivered a speech to the Phi Beta Kappa Society calling for an independent American culture entitled "The American Scholar." Name this transcendentalist who wrote "Self-Reliance."

ANSWER: Ralph Waldo Emerson

Mathematics: Polygons (All questions in this round are 20 seconds)

Team B: How many sides does a regular polygon have if each of its interior angles measures 178 degrees?

ANSWER: 180

Team A: How many distinct diagonals does a polygon with 14 sides have?

ANSWER: 77

Tossup: The n equals one case of the Newton-Cotes formula corresponds to using this shape. That method is equivalent to averaging the left-hand and right-hand Riemann sums, and uses this shape to approximate the area under a curve. Like a triangle, the area of one of these shapes can be calculated as the midsegment times the height. These shapes have adjacent angles which sum to 180 degrees. Name these quadrilaterals with one pair of parallel sides.

ANSWER: trapezoids

World History: Turks Outside Turkey

Team A: Lord Byron died fighting for what Mediterranean country's independence from the Ottomans in the 1820s?

ANSWER: Greece [or Hellenic Republic; or Ellas; or Ellada; or Elliniki Dimokratia]

Team B: Turkish guest workers and their descendants are a huge minority in what European country with a female chancellor?

ANSWER: Federal Republic of Germany [or Bundesrepublik Deutschland]

Tossup: This man's pamphlet on the "Question of the East" opposed Turkish massacres that he called the "Bulgarian Horrors" in one campaign. This man devised the Midlothian campaign and was publicly blamed for the death of Charles Gordon at Khartoum. His partnership with Charles Parnell to support Irish home rule led to the Unionist split in his Liberal party. Name this "Grand Old Man" and four-time British prime minister who was the rival of Benjamin Disraeli.

ANSWER: William Ewart Gladstone

Fine Arts: Twentieth Century Music

Team B: This movement in both visual and musical arts involved the depiction of inner feelings; particularly popular in Germany, it describes the paintings of Gustav Klimt and early German films such as *The Cabinet of Dr. Caligari*.

ANSWER: expressionism

Team A: Name the composer of *Transfigured Night* and *Pierrot Lunaire* who was the first major user of serialism or atonality in music.

ANSWER: Arnold Schoenberg

Tossup: This composer responded to the death of his daughter Maria with a song cycle setting poems by Friedrich Rückert, entitled *Kindertotenlieder*. This composer set German translations of poems by Li Bo in his unnumbered symphony *Das Lied von der Erde*. His eighth symphony in E-flat major is often nicknamed for the large chorus it calls for. Name this early 20th-century Austrian composer of the "Symphony of a Thousand."

ANSWER: Gustav Mahler

Life Sciences: Origin of Life

Team A: A "world" named for this macromolecule is hypothesized to precede cellular life, because this nucleic acid can have catalytic activity.

ANSWER: **RNA** [or **ribonucleic acid**; do NOT accept **DNA** or **deoxyribonucleic acid**]

Team B: This domain of unicellular organisms arose 3.5 billion years ago and live in extreme environments.

ANSWER: **archae**bacteria

Ninhydrin turns purple in the presence of these compounds. Naturally, these compounds are found only in their L-enantiomeric forms. These compounds exist as zwitterions at neutral pHs because carboxyl groups are more acidic than ammonium. These compounds were synthesized from sulfur dioxide, carbon dioxide, nitrogen, and water, with the help of an electrical spark, in the Miller-Urey experiment. They form a special type of amide bond called a peptide bond. Two of them contain sulfur: methionine and cysteine. Name these compounds, the constituents of proteins.

ANSWER: **amino acids**

World Literature: The Wilderness

Team B: Name the novel in which the collier Buck is seized from his comfortable home in California to become a sled dog in the Klondike wilderness.

ANSWER: *The **Call of the Wild***

Team A: Which title character of an ancient Indian epic voluntarily retires to exile in a forest and later rescues his wife Sita from the villainous Ravana?

ANSWER: **Rama**

Tossup: The protagonist of one of this author's plays refuses to recant when brought to court for telling a friend to burn a horrible sonnet he recited about "Phyllis." This author died onstage playing Argan, a hypochondriac. Alceste leaves civilization for the wilderness at the end of one of this man's plays, and in another, the title impostor poses as a religious advisor to seduce Orgon's wife. Name this French playwright of the comedies *The Misanthrope* and *Tartuffe*.

ANSWER: **Moliere** [or Jean-Baptiste **Poquelin**]

US Government/Economics: The Sporting News

Team A: Hall of Fame pitcher Jim Bunning used to represent what state in the U.S. Senate that is currently represented by Mitch McConnell?

ANSWER: **Kentucky**

Team B: Former NBA star Kevin Johnson is currently the mayor of what western U.S. city from which Jerry Brown governs?

ANSWER: **Sacramento**

Tossup: The 2010 Democratic nominee for governor in this state, Mark Laker, had to drop out of the race after fabricating lists of campaign donors. In February 2013, this state's lieutenant governor, Mike Sheehy, resigned after using his state-issued cell phone to make over two thousand calls to mistresses. In February 2013, this state's one-term Republican Senator, Mike Johanns, announced that he will not run for re-election in 2014. Name this state whose governor, Dave Heineman, survived a 2006 primary challenge from Tom Osborne, the former coach of its state university's football team.

ANSWER: **Nebraska**

Physical Sciences: Physical Systems

Team B: This substance, which is exemplified by lightning, is a partially ionized gas which exhibits a characteristic interaction length named for Debye.

ANSWER: **plasmas**

Team A: This type of physical system, exemplified by muddy water or sand grains within water, is a heterogeneous mixture containing solid particles which will eventually settle.

ANSWER: **suspensions**

Tossup: The three-dimensional stability of these systems is governed by DLVO theory, and the electrokinetic potential at a particular double layer interface in these systems is called the zeta potential. These systems undergo flocculation and peptization, and in some cases, micelles can form in these systems. These substances have continuous and dispersed phases, and these systems scatter light in the Tyndall Effect. Examples of these systems include emulsions and aerosols. Identify these specific types of mixtures, in which one component is completely and equally dispersed throughout another.

ANSWER: **colloids**

World Geography: BIKER-FRIENDLY CITIES

Team A: The so-called “bicycle capital” of the world is this European city, home to the Rijksmuseum and a notable red-light district.

ANSWER: Amsterdam

Team B: This “City of Roses” near the Willamette and Columbia Rivers is sometimes called America’s “bicycle capital”.

ANSWER: Portland, Oregon

Tossup: This city operates the second-largest bike sharing system in the world, known as Velib. Eighteen of the twenty districts of this city were represented in a multi-director cinematic collaboration titled for this city's name and a phrase meaning "I love you." This city houses a major business district called "The Defense," which sits at the westernmost point of the "historical axis." This city also contains the Latin Quarter and includes a public square called the Place (PLAHS) de la Concorde, which sits at one end of the Champs-Elysees (SHAMP elise). Name this city, home to the Louvre (LOOV) and Eiffel Tower.

ANSWER: Paris

American History: Speeches

Team B: What address, actually written as a letter, warned Americans of "foreign entanglement" in 1796?

ANSWER: George Washington's Farewell Address

Team A: What Nebraskan populist faced Clarence Darrow at the Scopes Monkey Trial and delivered the "Cross of Gold" speech as a Democratic presidential candidate?

ANSWER: William Jennings Bryan

Tossup: This leader's "Swing Around the Circle" was a public speaking tour during which he was often drunk. This Democrat caused a crisis by attempting to appoint Lorenzo Thomas to the Cabinet. He succeeded to one office after replacing Hannibal Hamlin. After this President violated the Tenure of Office Act, the Radical Republicans challenged his view of Reconstruction by impeaching him. Name this man who became President after the assassination of Abraham Lincoln.

ANSWER: Andrew Johnson

Alphabet Round - Letter S

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Alphabet Round - Letter S ANSWERS

1. John Smith
2. sulfur
3. Sahara Desert
4. James “Jimmy” Stewart
5. Sandinista National Liberation Front [or FSLN]
6. South Dakota
7. Sicily
8. skylark [or “Ode to a Skylark”]
9. Erwin Schrödinger
10. Burrhus Frederic Skinner
11. “Space Oddity”
12. Syria
13. Santiago
14. supply
15. stomata
16. steel
17. William Seward
18. Sikhism
19. Richard Strauss
20. War of Spanish Succession

FINAL ROUND

1. In January 2013, a large number of manuscripts were destroyed in this country when the Ahmad Babu Institute was burned down. The ongoing Operation Serval in this country is targeting both Ansar Dine and the national movement for the liberation of Azawad, two groups that parted ways after cooperating on an insurgency. Dissatisfaction with government handling of the rebellion led this country's army to overthrow president Amadou Toumani Touré in March 2012. Name this African country in which the French have intervened to stop northern rebels from forming a breakaway Islamist state.

ANSWER: Republic of **Mali** [or Republique du **Mali**; or **Mali** ka Fasojamana]

020-13-81-09101

2. The first of these devices was created with a synthetic ruby crystal by Theodore H. Maiman. The first one of these based on gases used helium and neon. These devices are created by placing a pair of mirrors on either side of a gain medium, then pumping the gain medium so that the atoms within achieve population inversion and release photons of a defined energy. Name these devices that produce a beam of monochromatic, coherent light.

ANSWER: **laser** [or **light amplification by stimulated emission of radiation**]

048-13-81-09102

3. The protagonist of this novel, who suffers from a varicose ulcer above his ankle, fixes Mrs. Parson's sink by removing a clot of hair. This novel contains an Appendix that discusses "A," "B," and "C" vocabularies. It opens with the line, "It was a bright cold day in April, and the clocks were striking thirteen." This novel ends with its protagonist drinking Victory Gin after being betrayed by Julia. This novel introduced the phrase "We've always been at war with Eastasia," the language "Newspeak," and the term "Big Brother." Name this dystopian novel by George Orwell.

ANSWER: **Nineteen Eighty-Four**

015-13-81-09103

4. One of this deity's possessions is a bead known as a "magatama"; that, along with two other objects, was given to Ninigi. This figure went hiding into a cave after her brother threw a dead horse into her chambers, and she split from her other brother after he killed the goddess of food, Uke Mochi. This goddess owns the sword Kusanagi, and she was born from Izanagi's left eye. Name this sister of Tsukuyomi (SOO-koo-YO-mee) and Susanoo (SOO-sah-NO-wo), a solar deity from Shinto myth.

ANSWER: **Amaterasu**

192-13-81-09104

5. After one battle in this war, dozens of people who were unable to walk to Fort Malden were brutally killed in the Raisin River Massacre. Sir Isaac Brock was killed at this war's Battle of Queenston Heights. The Battle of Bladensburg occurred during this war and led to one side's capital being burned. Jean Lafitte helped a commander in this war win a pivotal battle two weeks after a peace treaty had already been signed at Ghent. Name this war that included the Battle of New Orleans between the US and England and which started in its namesake year.

ANSWER: War of **1812**

190-13-81-09105

6. This man first proved Albert Girard's original observation that a prime p could only be expressed as the sum of two squares if the prime was congruent to one modulo four. The Taniyama-Shimura conjecture was used by Andrew Wiles to prove one of his theorems, which states that there are no integers that satisfy $a^n + b^n = c^n$ when n is greater than two. Another statement named for this man is $a^p \equiv a \pmod p$, where a is an integer and p is a prime number. Name this French mathematician who has "little" and "last" theorems.

ANSWER: Pierre de **Fermat**

189-13-81-09106

7. One ruler of this name succeeded his brother Simeon the Proud and was known as "the Meek." The first ruler of this name persuaded the head of the Russian Orthodox Church to move to Moscow, and was known for his financial shrewdness as "Moneybags." The third or "Great" ruler of this name broke away from Mongol lordship. Give this name of four princes of Moscow, the last of whom lost the Livonian War, was the first tsar of Russia, and was called "Grozny" or "Terrible."

ANSWER: **Ivan**

019-13-81-09107

8. Some of the people who agreed to perform this action hid in Judges Cave after fleeing to Connecticut. The Indemnity and Oblivion Act mandated that only the people who had ordered this action were to be punished. This action was performed at the Banqueting House of Whitehall on January 30, 1649, after a week-long trial on charges of conspiring with Scots to invade England and causing the English Civil War. Identify this act of regicide, which led to Oliver Cromwell forming the Protectorate.

ANSWER: **execution of Charles I** [or synonyms for "execution" including **killing** or **beheading**; prompt on **execution of Charles** or other partial answers]

019-13-81-09108

9. In the 1950s, Semyon Bogatyrev completed this man's abandoned symphony in E-flat. Between his fourth and fifth symphony, he depicted the guilt-stricken lover of Astarte wandering in the Alps in his *Manfred* symphony. He included the dueling "La Marseillaise" and "God Save the Tsar" anthems in a work topped off with cannon-fire. Name this composer of the *Pathétique Symphony*, who depicted the defeat of Napoleon in his *1812 Overture*.

ANSWER: Pyotr Ilyich **Tchaikovsky**

019-13-81-09109

10. This novel describes one character in terms of Plato's concept of "natural depravity: depravity according to nature." The protagonist of this novel experiences a false sense of relief when he is told, "Handsomely done, my lad!" after spilling his soup. When the protagonist of this novel is offered a pair of coins to participate in a mutiny, he goes into a fit of stuttering. Later, Captain Vere sympathetically argues the necessity of hanging the title sailor for killing the master-at-arms, John Claggart. Name this novella by Herman Melville.

ANSWER: **Billy Budd**

014-13-81-09110

11. This figure participated in funeral games held by King Teutamides in Larissa, during which an errant discus throw by this man killed his grandfather Acrisius. While on a quest for Polydectes, this man saved a woman from being sacrificed to Cetus and stole the eye of the Graeae (GREE-ee). This rescuer of Andromeda was the son of Zeus and Danae. For 10 points, name this hero from Greek mythology who used shield given to him by Athena to defeat Medusa.

ANSWER: **Perseus**

023-13-81-09111

12. A revision of this opera condensed it to two acts and changed its title to the name of the main male character. Before begging for a crust of bread, one character in this opera is praised in "Euch werde Lohn in bessern Welten." A trumpet signifies the arrival of Don Fernando in this opera, which features "Mir ist so wunderbar," or the Canon Quartet. Opening with a duet between Jaquino and the daughter of the jailer Rocco, Marcelline, this opera is about Leonore, who dresses up as the title character to save her husband Florestan. Name this only opera by Ludwig van Beethoven.

ANSWER: **Fidelio**

192-13-81-09112

13. One novel by this author ends with a "Ride of the Kings," a noble tradition which Vladimir ignores, preferring to watch motorcycles. In that novel, Marketa receives a postcard reading, "Optimism is the opiate of the people" and "Long live Trotsky" from Ludvik Jahn. Characters in another of this author's novels include a dog that dies of cancer, named Karenin, as well as a professor from Geneva named Franz. This author wrote about Tomas marrying Tereza in the shadow of the Prague Spring. Name this Czech novelist of *The Unbearable Lightness of Being*.

ANSWER: Milan **Kundera**

190-13-81-09113

14. This region's Lark Quarry contains thousands of fossilized footprints from a dinosaur stampede. This region is home to the largest population of feral camels in the world, which were imported from Afghanistan. The world's first comprehensive air ambulance program, the "flying doctor" service, was created to service its inhabitants. Its "Red Centre" is home to a monument known to indigenous inhabitants as Uluru, Ayer's Rock. Dingoes and kangaroos inhabit, for 10 points, what thinly-populated region in the interior of Australia?

ANSWER: the Australian **Outback** [or Queensland before "camels" is read; prompt on Australia]

080-13-81-09114

15. One member of this discipline, who championed explaining behaviors in context through "thick description," was Clifford Geertz. At Barnard, Zora Neale Hurston was trained in this discipline by its American founder Franz Boas, who also taught Margaret Mead. This field pioneered the technique of participant observation, which can help practitioners write ethnography. Name this social science which studies other cultures to learn more about man.

ANSWER: **anthropology** [or cultural **anthropology**; prompt "ethnography" before it is read]

104-13-81-09115

16. Irreversible steps in this pathway include the decarboxylation of alpha-ketoglutarate. Near the end of this pathway, the cofactor FAD helps ubiquinone oxidate succinate to fumarate. The products of this pathway include three NADH molecules and one GTP molecule. The first reaction in this pathway uses oxaloacetate and the acetyl CoA produced by glycolysis. This pathway is followed by the electron transport chain. Name this cycle central to cellular respiration.

ANSWER: **Krebs cycle** [or **citric acid cycle**]

014-13-81-09116

17. This scientist rejected a theory of reactions advanced by Georg Ernst Stahl. This author of the *Elementary Treatise on Chemistry* had scientific texts in other languages translated by his wife Marie Anne. He self-financed a series of elaborate experiments designed to demonstrate his principle of the conservation of mass. This scientist disproved the phlogiston theory of combustion, showing that combustion proceeded via oxygenation. Name this French chemist who was executed during the French Revolution.

ANSWER: Antoine-Laurent **Lavoisier**

014-13-81-09117

18. This man interprets himself as the snake in one of his mother's dreams. His sister realizes he must be near when she finds a lock of hair and footprints similar to her own. At the beginning of another work, he tries to find sanctuary in Apollo's temple at Delphi to escape the title figures, who track him down by following the scent of his mother's blood. Apollo successfully defends this man in *The Eumenides*, the last part of a trilogy named for him. Name this son of Agamemnon who kills his mother Clytemnestra in *The Libation Bearers* by Aeschylus.

ANSWER: **Orestes**

121-13-81-09118

19. These people paid a namesake "rent" of a penny per month to support an organization advocating for their political rights. The Duke of Wellington's government allied with Robert Peel to revoke the Test Act, allowing these people to serve in Parliament. Daniel O'Connell led the campaign for the "emancipation" of this group. What religious group was suppressed in British politics after Henry VIII formed the Anglican church?

ANSWER: **Catholics** in the United Kingdom

019-13-81-09119

20. A legend above this painting explains its meaning in Latin with the words "Causarum Cognitio (cog-NIT-ee-oh)." This painting sits in the Apostolic Palace, facing the same artist's *La Disputa* in the Stanza della Segnatura. The leftmost person in it is Zeno of Citium, and Diogenes lounges alone in blue on the steps in its center. Identify this painting in which over twenty ancient philosophers congregate, for which contemporary painters were used as models by its creator, Raphael.

ANSWER: *The* **School of Athens**

019-13-81-09120

Alphabet Round - Letter S

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