

1. This President's failure to discipline Douglas MacArthur led his electoral opponent to declare "there's nothing inside the man but jelly." This President was a former engineer who was a proponent of the Efficiency Movement. This man had the Bonus Army broken up. Al Smith was this man's opponent in the 1928 presidential election. For 10 points, name this president who was in office during the 1929 stock market crash and is the namesake of a large Arizona dam.

ANSWER: Herbert Clark **Hoover**

026-10-20-07101

2. This man wrote a novel in which a deaf-mute boards a steamboat on April Fools' Day and tries to trick the passengers. In one of his short stories, Nippers, Turkey, and Ginger Nut are coworkers of the titular Wall Street worker who responds to requests by saying, "I would prefer not to." This author of *The Confidence Man* and "Bartelby the Scrivener" also created a foretopman who murders John Claggart. For 10 points, name this author of *Billy Budd* who created Queequeg, the *Pequod*, and Captain Ahab in *Moby-Dick*.

ANSWER: Herman **Melville**

079-10-20-07102

3. The potentiometric form of this process involves measuring the potential difference between two cells and using the Nernst Equation. When this process is done using a polyprotic solution, there will be more than one equivalence point. At the half equivalence point of this process for a buffer solution, the pH equals the pKa, as shown by the Henderson-Hasselbalch Equation. For 10 points, name this process that often makes use of indicators such as phenolphthalein (FEE-nul-THAY-leen) and a buret.

ANSWER: potentiometric **titration** [or acid-base **titration**]

023-10-20-07103

4. This concept was defended in Robert Nozick's *Anarchy, State, and Utopia*, which also propounds an entitlement theory influenced by a man who was a student of Ludwig von Mises, Friedrich Hayek. The school of economics that propounds this concept is opposed to Keynesianism, and is called the Austrian School. For 10 points, name this concept from political philosophy that emphasizes individual freedoms and is supported by politicians like Ron Paul.

ANSWER: **libertarianism**

081-10-20-07104

5. One model of the universe with no cosmological constant is named for de Sitter and this man, who also names a state of matter that exists at very low temperatures with Bose. This man posited the existence of "light quanta" in the photoelectric effect, but one of his most famous laws correctly accounted for an anomaly in the precession of Mercury. For 10 points, name this scientist who formulated the theories of relativity and is stated that  $E$  equals  $mc^2$ .

ANSWER: Albert **Einstein**

081-10-20-07105

6. During the second half of the nineteenth century, this character was transformed from a muscular hero into a gray-haired weakling in popular performances known as his namesake "shows." This character's refusal to divulge the hiding place of Emmeline and Cassy causes him to be beaten by Sambo and Quimbo until he dies. George Shelby frees his slaves after learning about the death of this man, whose selfless Christianity makes him a foil to his owners Augustine St. Claire and Simon Legree. For 10 points, name this heroic slave, the title character of a Harriet Beecher Stowe novel about his cabin.

ANSWER: Uncle **Tom**

004-10-20-07106

7. This was the team for whom the all-time Major League leader in triples, Sam Crawford, played the majority of his career. Other stars who chiefly played with this team included 1960s slugger Al Kaline, and a player who was once suspended for assaulting a fan with no hands. That "Georgia Peach" was this team's longtime sparkplug Ty Cobb. Contemporary players for this club include Armando Galarraga, who lost a perfect game to an umpire's call in 2010. For 10 points, name this baseball team which lost the 2006 World Series to the Cardinals and is now led by Magglio Ordonez and Miguel Cabrera.

ANSWER: **Detroit** Tigers [or Detroit **Tigers**]

019-10-20-07107

8. Gao Xingjian's *Soul Mountain* has three of these figures called "I," "you," and "she." Virginia Woolf's *The Waves* has six characters in this role. The novels of Henry James are notable for their use of "unreliable" ones. Third-person ones can be either limited or omniscient, while these figures use the pronoun "I" when they are in the first-person perspective. For 10 points, name this role of the character who tells a story.

ANSWER: **narrators** [accept **protagonists** until "unreliable" is read]

080-10-20-07108

9. A recent upgrade to this specification added SuperSpeed mode. The connector types include type A and B along with mini and micro connectors. Hubs for this allow a computer to connect to at most 127 devices. Along with data, Power can be transferred to devices through this. Most computers made today have the 2.0 version of this, and 3.0 is starting to be deployed. For 10 points, name this type of communication port and specification that is used to connect computers to peripherals such as printers, flash drives, and MP3 players.

ANSWER: **USB** [**Universal Serial Bus**]

001-10-20-07109

10. During the fourth act of this play, a recently blinded character laments "As flies to wanton boys are we to th' gods / They kill us for their sport." This play's title character becomes incensed at his daughter's proposal to dismiss fifty of his retainers, declaring "How sharper than a serpent's tooth it is / To have a thankless child." During the third act of this tragedy, the title character goes mad and wanders in a storm with a Fool after being ignored and dismissed by Regan and Goneril. For 10 points, name this Shakespeare tragedy about a ruler who ultimately dies in the arms of his loving daughter Cordelia.

ANSWER: **King Lear**

004-10-20-07110

11. In one story, this god's wife stole gold from a statue of him, prompting him to go into exile. Among his possessions are the golden throne from which he can see the entire world and a ring that multiplied itself every night. This son of Borr and brother of Vili and Ve also owns a spear that never misses its target, Gungnir, and the eight-legged horse Sleipnir. He will be killed by the wolf Fenrir at Ragnarok and he also obtained perfect wisdom by trading one of his eyes to drink from Mimir's well. For 10 points, name this leader of the Aesir, a chief Norse deity.

ANSWER: **Odin** [or **Wodin** or **Wotan**]

083-10-20-07111

12. This work features the "Star-to-Be" in the song "N.Y.C." Although the Mudgetts seem to know the origins of a locket in this work, they are revealed to be lying by Franklin D. Roosevelt. After listening to "You're Never Fully Dressed Without a Smile" on the radio, the aforementioned scheme is hatched by Miss Hannigan to steal \$50,000 from Daddy Warbucks. The title character earlier asserts "you can bet your bottom dollar the sun'll come up tomorrow." For 10 points, name this musical in which "It's a Hard Knock Life" is sung by the title red-haired orphan.

ANSWER: **Annie**

079-10-20-07112

13. One aria in this opera ends with the tenor singing "Vincerò! Vincerò!," or "I will win! I will win!" Its title character sings the aria "In questa reggia" to explain the significance of three riddles she asks to potential suitors, including a man known as the Unknown Prince. That character, who is advised against pursuing the titular princess by the ministers Ping, Pang, and Pong, is actually named Calaf and sings the aria "Nessun dorma" in this opera's third act. For 10 points, name this opera about the title Chinese princess, written by Giacomo Puccini.

ANSWER: **Turandot** (tur-an-DOT)

026-10-20-07113

14. The United States recently won permission from the WTO to impose steel tariffs on this nation, and a captured fishing trawler recently led this country to cut off shipments of rare earth minerals, though a claim that this country had simply met export quotas was made by the state news agency Xinhua. This nation also recently canceled diplomatic meetings with Norway in retaliation for the Nobel Committee awarding their Peace Prize to jailed activist Liu Xiaobo. For 10 points, name this Communist nation, the world's most populous.

ANSWER: People's Republic of **China**

082-10-20-07114

15. A member of this group, David Graham Phillips, wrote the articles "The Treason of the Senate," which helped inspire the passage of the Seventeenth Amendment. Theodore Roosevelt compared members of this group to a character from *Pilgrim's Progress* who only looks downward to sweep filth on the floor. Members of this group included Jacob Riis (REES), Lincoln Steffens, and Ida Tarbell. For 10 points, name this group of investigative journalists who exposed American political corruption at the beginning of the twentieth century.

ANSWER: **muckrakers**

004-10-20-07115

1A. What term, usually symbolized K, is given to the maximum stable size of a population that an environment can support?

ANSWER: **carrying capacity**

1B. What American poet of "Song of Myself" and "Crossing Brooklyn Ferry" released dozens of revisions to his collection *Leaves of Grass*?

ANSWER: Walter **Whitman**

2A. What is the last name of both the composers of the tone poem *Thus Spoke Zarathustra* and the "Blue Danube" waltz? Their first names are Richard and Johann.

ANSWER: **Strauss**

2B. The Maclaurin series is a special case of what power series, which is used to represent functions in calculus?

ANSWER: **Taylor** Series

3A. This is a 10-second computation question. What is the perimeter of an isosceles triangle whose area is 12 and whose height is 3.

ANSWER: **21**

3B. This is a 10-second calculation question. What is the sine of 0 radians added to the cosine of 0 radians?

ANSWER: **1**

4A. Which French physicist names an inverse-square law for the electric force and the SI unit for charge?

ANSWER: Charles Augustin de **Coulomb**

4B. What Cuban leader repelled the Bay of Pigs rebellion and was succeeded as president by his brother Raul in 2008?

ANSWER: Fidel **Castro** Ruz

5A. This is a 20-second calculation question. What is the median of the fibonacci sequence, starting at 2 and ending at 34, inclusive?

ANSWER: **8**

5B. This is a 20-second computation question. How many ways are there to draw a combination of 4 cards of the same suite from a standard 52 card deck? Note that the order is not considered.

ANSWER: **2,860**

6A. The delta of the Mississippi River can be found in which Louisiana city that is also the home of the Superdome and Bourbon Street?

ANSWER: **New Orleans**

6B. It is named for an Arabic word for "the coasts," as it arose among merchants who spoke disparate African tongues. What is this *lingua franca* of East Africa, which combines Arabic and Bantu influences, and gives English such terms as "kwanzaa" and "safari"?

ANSWER: Ki-**Swahili**

7A. This is a 30-second computation question. What remainder results from dividing  $x^6+4x^5+7x^3+x^2+5$  by  $x+5$ ?

ANSWER: **2280**

7B. This is a 30-second computation question. For what value of  $x$  does square root quantity  $x$  minus 3 end quantity plus square root of  $x$  plus 5 equal 4?

ANSWER:  $x=4$

8A. What pandemic, thought to be caused by the bubonic plague, killed up to half the entire European population between 1347 and 1350?

ANSWER: **Black Death**

8B. What term is given to an event or character that is used by an author to bring a story to an improbable end by solving whatever problems remained in the plot?

ANSWER: **Deus ex Machina**

9A. What AMC show focuses on Don Draper, the creative director of the fictional advertising agency Sterling Cooper Draper Pryce.

ANSWER: **Mad Men**

9B. Name the process in which magma upwells through the crack between tectonic plates to form oceanic ridges.

ANSWER: **seafloor spreading**

10A. What planet is orbited by the moons Galatea, Proteus, and Triton?

ANSWER: **Neptune**

10B. What French Impressionist painter is known for his depictions of Rouen Cathedral, haystacks, and waterlilies?

ANSWER: Claude **Monet**

1. One genre of plays from this country is kyogen, which are comedic plays given between performances of a serious style of drama with stylized masks. That genre is called Noh. One important work in this nation's literary tradition is the *The Tale of Genji*. More modern authors from this country include Yukio Mishima and Haruki Murakami. For 10 points, name this country whose *Tale of the Heike* features its samurai warriors.

ANSWER: **Japan**

001-10-20-07117

2. This country's sixteen regions were established in 2002 to follow natural watershed boundaries. In addition, it administers several territories, including the Chatham Islands and Tokelau. Southeast of the Tasman Sea, it was home to the extinct moa, who were hunted to extinction by its indigenous Maori peoples. The Cook Strait separates the two main landmasses of this nation also home to the kiwi bird. For 10 points, name this Pacific nation with capital Wellington and largest city Auckland, which has a North and South Island.

ANSWER: **New Zealand**

082-10-20-07118

3. This can be calculated for a magnetic dipole subject to magnetic field by taking the dot product of the magnetic moment times negative one and B. This for an object in an electric field is the product of k and the two charges divided by r. In general this results from having a position within a force field. For a spring, this is equal to one half times the spring constant times the displacement squared. The value of this for an object in the Earth's gravity is mgh. For 10 points, name this stored energy that can be transformed into kinetic energy and is exemplified by a rock on the top of a hill.

ANSWER: **potential energy**

001-10-20-07119

4. Spanish verbs which undergo a stem change when expressed in this tense include the words for "to be worth" and "to fit," "poder" (poh-DARE) and "cabere," (cah-BEAR) which change in the first person singular to "yo podre" (poh-DRAY) and "yo cabre," (cah-BRAY) respectively. The general pattern for forming this Spanish tense is to add "e," "a-s," "a," "e-m-o-s," "e-i-s," or "a-n" directly to the infinitive. For 10 points, give this tense, used in such Spanish sentences as "yo cazare animals grandes," (YO cah-za-RAY ah-nee-MAH-lais GRAHN-dais) meaning "I will hunt big game."

ANSWER: **future** tense

019-10-20-07120

5. Its eighth chapter discusses the injustices of Antiochus IV Epiphanes and its ninth chapter reinterprets Jeremiah's prophecy. The Catholic version of this book includes the Song of the Three Young Men and the Prayer of Azariah, and Hananiah and Mishael are friends of this book's title figure. The title figure describes the meaning of a tree reduced to a stump and handwriting on the wall to Belshazzar. For 10 points, name this book of the Bible whose title figure is sent to the lion's den.

ANSWER: **Daniel**

030-10-20-07121

6. One painting by this artist shows Donald Duck accidentally hooking himself with a fishing rod and exclaiming "Look, Mickey!" This artist used the Ben-Day dot technique in such works as *Drowning Girl*, which was taken from the "Run for Love" DC Comics series, and a work that contains the caption "I pressed the fire control...and ahead of me rockets blazed through the sky." For 10 points, name this pop artist who used a comic-book style to show a pilot shooting a missile at a plane in his work *Wham!*.

ANSWER: Roy **Lichtenstein**

026-10-20-07122

7. The Boussinesq approximation is used in flows driven by this. In one formulation, this force is equal to the pressure at the lower point of contact times the area at that point minus the pressure higher point times that point's area. This is proportional to both gravitational acceleration and the density of the fluid. The basic idea behind this is Archimedes' principle, which says this is equal to the weight of the displaced fluid. For 10 points, name this force that allows objects to float in water.

ANSWER: **buoyancy** [accept **buoyant** force]

001-10-20-07123

8. One candidate for this position's 2010 election was labeled one of Time Magazine's "Five Worst Senators" for offenses like inexplicably shutting down his office in fear of an unspecified terrorist attack. The Republican candidate for this position in 2010 beat out Marty Seifert in the primaries. In addition to Tom Emmer, independent Tom Horner and former Democratic Senator Mark Dayton are 2010 candidates for this position. For 10 points, name this position currently held by Tim Pawlenty, who governs from the capitol building in St. Paul.

ANSWER: **governor of Minnesota**

026-10-20-07124

9. One type of input to this region is through the mossy fibers. Two types of neurons here are called granule and Purkinje cells. This region is located beneath the cerebral cortex and behind the pons, and damage to this part of the brain results in uncoordinated or incorrectly timed motions. For 10 points, name this region of the brain whose name means "little brain," and that is responsible for motor control.

ANSWER: **cerebellum**

081-10-20-07125

10. This organism is one of the only in its class to have a sense of electroreception, and it spends more time in REM stage sleep than any other mammal. The males of this animal use their ankle spurs to produce venom, and is one of the only extant monotremes along with the echidna. For 10 points, name this egg laying mammal, part of whose name is derived from the mallard-like appendage on its nose.

ANSWER: duck-billed **platypus** (accept echidna before "REM")

081-10-20-07126

11. In one year, this leader signed a Concordat with the Vatican and a pact with the U.S., and two years later his country entered the UN. This ruler consolidated power by merging the conservative Carlist party with the Falange (fa-LON-hay) party founded by Jose Antonio Primo de Rivera. This leader was succeeded by Juan Carlos I after coming to power in a civil war that included the bombing of Guernica. For 10 points, name this victor of the Spanish Civil War who served as a fascist dictator of Spain from 1939 until 1975.

ANSWER: Francisco Paulino Hermenegildo Teódulo **Franco** Bahamonde

026-10-20-07127

12. One part of this novel details the story of a boy who has a dog named Perezvon, while the teacher of another character in this novel is Father Zosima. The central crime in this novel for which one of the titular characters is blamed was in fact committed by Smerdyakov, and another titular character tells the story of the Grand Inquisitor. Ivan, Dmitri, and Alyosha are the title characters of, for 10 points, what novel by Fyodor Dostoyevsky?

ANSWER: *The **Brothers Karamazov***

081-10-20-07128

13. This author wrote about a group of girls trapped in Thebes on their way from Syria to Delphi in *The Phoenician Women*. This author used Stesichorus's idea that Helen went to Egypt instead of Troy as the basis for another play. In another play by this man, Pentheus refuses to believe that Dionysus is the son of Zeus and is torn apart by a group of wild women including his own mother. This author also wrote about a woman who sends a poisoned dress to Glauce and then kills her own children before departing in a dragon-drawn chariot. For 10 points, name this ancient Greek author of *The Bacchae* and *Medea*.

ANSWER: **Euripides**

003-10-20-07129

14. One character in this play is stabbed after he calls a hired assassin an egg, while this play's "Porter scene" is the subject of an essay by Thomas de Quincey. The title character, the Thane of Glamis and Cawdor, receives a prophesy from three witches that "none of woman born" can harm him. That character also orders the death of his friend Banquo and, with the help of his wife, kills King Duncan, resulting in his crowning as king. For 10 points, name this play by William Shakespeare which ends with Macduff killing the title Scottish king.

ANSWER: **Macbeth**

083-10-20-07130

15. One of this President's domestic policies was mocked as a giant snapping turtle in the "O-grab-me" political cartoon. This man sent James Monroe and Robert Livingstone to negotiate a treaty with the French ambassador Nemours. Though he was not from that state, this man wrote the Kentucky Resolutions. This President financed the Lewis and Clark expedition and the Louisiana Purchase. For 10 points, name this man who penned the Declaration of Independence and later became the third President.

ANSWER: Thomas **Jefferson**

026-10-20-07131

1. This element was originally used as a catalyst in the Haber process, and it is found in abundance in Saskatchewan. Its two major isotopes are 238 and 235, the latter of which was once referred to as "actino" this element. That former isotope of this element is useful since it decays to the fissile plutonium 239, and as such that isotope is frequently used in weapons. For 10 points, identify this element with atomic number 92 and symbol U.

ANSWER: uranium

081-10-20-07132

2. The attack on this man mirrored Roger Griswold's 1798 attack on Matthew Lyon. This man's assailant discussed his plans with Laurence Keitt, who broke up the violence by brandishing a pistol. This man gave a speech that compared Andrew Butler to Don Quixote and made fun of Butler's stroke-induced speech impediment, which caused a South Carolina man to attack him. For 10 points, name this Massachusetts Radical Republic whom Preston Brooks caned on the Senate floor.

ANSWER: Charles Sumner

026-10-20-07133

3. In one sonnet by this author, the speaker pauses on the Westminster Bridge and sees "all that mighty heart is lying still!" This poet wrote "five years have passed" at the beginning of a poem addressed to his sister Dorothy. In another poem, this author compared himself to an object that "floats on high o'er vales and hills" before coming upon a "host of golden daffodils." For 10 points, name this author who collaborated with Coleridge on *Lyrical Ballads*, a British Lake Poet who wrote "Tintern Abbey" and "I Wandered Lonely as a Cloud."

ANSWER: William Wordsworth

026-10-20-07134

4. One character created by this author is a "child of scorn" who "would have sinned incessantly" had he been a Medici. Another character created by this author was a "gentleman from sole to crown" who was ogled by the "people on the pavement" every time he "went down town." For 10 points, name this American poet of "Miniver Cheevy" who wrote of a man who inexplicably put a bullet in his head in his poem "Richard Cory."

ANSWER: Edwin Arlington Robinson

026-10-20-07135

5. John Fouché contributed to the downfall of this man, whose main follower was Louis de Saint-Just (sahn-JOO). This leader established the Cult of the Supreme Being. During this man's reign, he dismantled the Hébertist party in favor of his group, known sometimes as The Mountain. This Jacobin's downfall came during the Thermidorian Reaction, which saw him sent to the guillotine. For 10 points, name this leader of the Committee of Public Safety, a major leader during the Reign of Terror of the French Revolution.

ANSWER: Maximilien François Marie Isidore de Robespierre

083-10-20-07136

This is a 20-second computation question. What is area of a rectangle with a diagonal of length 7 and whose width is 5? Give your answer in simplest radical form.

ANSWER: 10 square roots of 6

083-10-20-07137