

1. Fred Willard plays Shelby Forthright in this movie, a CEO who appears in instructional videos. One character in this movie is named Microbe Obliterator and follows the protagonist for a large part of the film, cleaning. The protagonist finds himself on the starliner Axiom, flagship of the Buy n Large corporation, to which he and a companion bring a small plant, proof that Earth is once again habitable. For 10 points, name this Pixar movie about a namesake trash-compacting robot that falls in love with EVE.

ANSWER: **WALL-E**

022-09-9-07101

2. Some of this man's leftist supporters were massacred by the right-wing "Triple A" terrorist group in the Ezeiza Massacre. This man was excommunicated by Pius XII shortly before he was overthrown in a coup, which saw him flee to Franco's Spain. After his death, this man was succeeded in office by his wife, Isabel Martinez. Some of this man's supporters were known as the "decamisados," or "the shirtless ones," who revered this man's earlier wife, a movie actress. For 10 points, name this Argentinean leader, noted for his marriage to Eva Duarte.

ANSWER: Juan Domingo **Peron**

052-09-9-07102

3. A breach in the security of this company in December 2009 led this company's chief legal officer David Drummond to conclude that some of its offices might have to be closed down. By shutting down those offices, this company may lose even more of its share of the market in one country to its competitor Baidu. This company's reaction came in light of the illegal accessing of e-mail accounts held by human rights activists in a certain country. For 10 points, name this American company that allowed censorship of its search engine after 2006 in China.

ANSWER: **Google** Inc. [prompt on **Gmail**]

023-09-9-07103

4. A period of bombings and murders in this country was known as the "Years of Lead." One Christian Democratic political leader from this country was kidnapped and murdered by a leftist terrorist group called the Red Brigades. A conservative Masonic organization in this country was nicknamed "P2" and included among its members this country's current prime minister, a billionaire who founded the company Fininvest. For 10 points, name this European nation, the home of Aldo Moro, which is currently led by Silvio Berlusconi.

ANSWER: **Italy**

052-09-9-07104

5. In some sources, this man had a daughter, Roma, who married Aeneas. Pisistratus accompanied this man on his journey to Sparta. This man convinced his father not to slay Medon or the minister Phemius. When he was a baby, this man was placed by Palamedes in the path of a plow. Athena sent this man to visit Nestor at Pylos. This figure appears in the *Telegony* where he marries Circe, who enchanted sailors led by his father, who had gone missing for twenty years. For 10 points, name this son of Penelope and Odysseus.

ANSWER: **Telemachus**

003-09-9-07105

6. Along with mollusks, this grouping is defined by the existence of a cavity for blood circulation known as the hemocoel (HEE-moh-"SEAL"). This phylum takes in oxygen through stacks of plates filled with blood known as book lungs. One extinct member of this phylum was the most common animal of the Cambrian Explosion. That animal was a three lobed marine creature known as the trilobite (TRY-lo-bite). Members of this phylum have exoskeletons made of chitin (KYE-tin). For 10 points, name this phylum that includes crustaceans (crus-TAY-"shins") and insects.

ANSWER: **Arthropoda** [or **arthropods**]

059-09-9-07106

7. Soldiers from this country caused the Pidjiguiti Massacre, beginning this nation's struggle against the PAIGC in its colony of Guinea-Bissau. This nation fought the FNLA in one colony and FRELIMO and RENAMO in another until the fall of its government in the Carnation Revolution. Though this resulted in the independence of those two colonies, Angola and Mozambique, only in 1999 did this nation hand over its colony of Macau and it currently retains the Azores. For 10 points, name this country which colonized Brazil with capital at Lisbon.

ANSWER: **Portugal**

059-09-9-07107

8. "Low barrier" types of these entities occur in the catalytic triad of serine proteases. A unique form of these is present in borane-ammonia complexes. In RNA and proteins, they are chiefly responsible for secondary structure. Water expands upon freezing because these entities become ordered. They usually involve fluorine, nitrogen, or oxygen and their namesake element. For 10 points, name these exceptionally strong dipole-dipole interactions.

ANSWER: **hydrogen bonds**

001-09-9-07108

9. This musical work was the first symphony scored for three horns instead of two. It has a solo horn enter with the main melody four measures before the rest of the orchestra in its first movement's recapitulation. Its second movement is a funeral march, and this symphony is in E-flat major. It is dedicated to the "memory of a great man," although it was originally dedicated to Napoleon. For 10 points, name this symphony by Ludwig van Beethoven, his third.

ANSWER: Symphony no. **3**, "**Eroica**" [accept either; accept no. **3** or **third** before mentioned]

004-09-9-07109

10. During congressional debate over this agreement, a Senator from New York claimed there was "a higher law than the Constitution." Several politicians expressed support for this agreement in the Georgia Platform. One incident during the Senate debate saw Henry Foote pull a gun on Thomas Hart Benton. This agreement set up the Territories of New Mexico and Utah and was largely designed by Stephen Douglas. For 10 points, name this agreement which made California a free state and passed the Fugitive Slave Law, one of the later attempts to prevent secession.

ANSWER: **Compromise of 1850**

052-09-9-07110

11. This body releases cytochrome ("SIGH"-tow-krome) c to trigger apoptosis (AY-pop-TOW-sis). The DNA found in these organelles (OR-guh-NELLZ) is passed down matrilineally (MAT-ruh-LIN-ee-uh-lee), and along with its double membrane, may be evidence for its endosymbiotic (EN-"dough"-sim-by-OTT-ick) origin. Its inner folds are called cristae (KRIS-tay), and its matrix is home to respiration reactions like glycolysis (GLY-"CALL"-ih-sis). For 10 points, name this organelle, the "powerhouse" of the cell.

ANSWER: **mitochondria** [or **mitochondrion**]

026-09-9-07111

12. This poem uses sod as a representation of death. The seventh stanza of this poem mentions the sad heart of Ruth standing in tears "amid the alien corn". In its fourth stanza the poet states he will fly, not "charioted by Bacchus" but instead on the "viewless wings of Poesy". This poem ends by asking "Do I wake or sleep?" and it opens with its narrator exclaiming that he felt like he just drank hemlock because his senses are numb and his heart aches. Later, the poet exclaims that the title creature "was not born for death". For 10 points, name this John Keats poem dedicated to a bird.

ANSWER: "Ode to a Nightingale"

064-09-9-07112

13. A conflict in this play occurs when part of a woman's body is first described as "angelic" but then as "monkeylike," shortly before a handful of snapdragons is dubbed a "wedding bouquet" of "pansies, rosemary, and violence." Near its end, a character is accused of eating a telegram announcing that a man had died in a car accident while swerving to avoid a porcupine. Games of "Get the Guest" and "Humiliate the Host" ensue in this play when Honey and her husband, the new biology professor Nick, visit the home of older faculty member George and his wife Martha, who squabble over a nonexistent son. For 10 points, name this drama by Edward Albee, whose title refers to the British feminist author of *Mrs. Dalloway*.

ANSWER: Who's Afraid of Virginia Woolf?

019-09-9-07113

14. He composed a stilted piano lullaby called "Of Foreign Lands and Peoples" to begin his piano suite that also contains the "Dreaming" movement. This composer musically depicted the Cologne Cathedral in his third symphony. This composer of *Dichterliebe* and *Scenes from Childhood* dedicated his *Kreisleriana* to Chopin. He depicted himself musically as "Florestan" and "Eusebius" in such works as *Papillons* and *Carnival*. For 10 points, name this German composer of the *Rhenish* and *Spring* symphonies.

ANSWER: Robert Schumann

026-09-9-07114

15. In Minkowski space, this quantity equals the rate of change above the four-momentum vector with respect to proper time. The total amount of this quantity imparted on a charged particle by both the magnetic and electric fields is named for Lorentz. This quantity is equal to the time derivative of the body's momentum by Newton's Second Law. Work is equal to this quantity times distance. For 10 points, name this vector quantity measured in newtons, which equals mass times acceleration.

ANSWER: force [or net force]

026-09-9-07115

1A. Original plans for it date back to the Roman control of its location. It was finally inaugurated in 1869, with France winning the right to lease it for 100 years. For 10 points, identify this waterway.

ANSWER: the **Suez Canal**

1B. It is found in cereal grains and white rice is fortified with this vitamin. Name this B-complex vitamin, the deficiency of which causes beriberi.

ANSWER: **thiamin** [or **B1**]

2A. Examples of these types of languages include the Gullah and Geechee vernacular of the Georgia and South Carolina Sea Islands. Name this type of vernacular language that developed on plantations in the 17th and 18th centuries due to contact between groups that spoke different languages.

ANSWER: **creole**

2B. It is generally prohibited as evidence because it depends on the truth of someone not available for cross-examination. Name this type of legal testimony that consists of what a witness heard others say.

ANSWER: **hearsay**

3A. One man associated with this movement wrote *God's Trombones*, and wrote the anthem "Lift Every Voice and Sing." James Weldon Johnson was a member of what early 20th century literary movement whose other members included Jean Toomer and Countee Cullen?

ANSWER: **Harlem Renaissance**

3B. This man played office manager John Williamson in the film version of *Glengarry Glen Ross*, and he also played Verbal Kint in *The Usual Suspects*. Name this actor who played Lex Luthor in *Superman Returns*.

ANSWER: Kevin **Spacey**

4A. This is a 10-second calculation question. What is $\frac{7}{3}$ divided $\frac{2}{9}$?

ANSWER: **$\frac{21}{2}$** [or **10.5**]

4B. This is a 10-second calculation question. What is the value of w if $3w=7w+11$? Give your answer in decimal form.

ANSWER: **-2.75**

5A. Erskine Caldwell's novel *Tobacco Road* is set in this state, as is Alfred Uhry's play *Driving Miss Daisy*. Name this state, the setting for Tara in *Gone With the Wind*.

ANSWER: **Georgia**

5B. This man was married to fellow artist Lee Krasner, and he painted *Full Fathom Five*. Name this American Abstract Expressionist painter who gained fame for his "drip" technique.

ANSWER: Jackson **Pollock**

6A. This is a 20-second calculation question. What is 3.567×9.877 ?

ANSWER: **35.231259**

6B. This is a 20-second calculation question. If Professor Persikov has an initial population of four frogs and the population doubles every 4 weeks, how many frogs does he have after a year? You may assume that there are 52 weeks in a year.

ANSWER: **32,768**

7A. Bo Jackson won a Heisman trophy while playing for this school, and Tommy Tuberville led this school to an undefeated season in 2004. Name this Alabama-based university nicknamed "The Tigers."

ANSWER: **Auburn**

7B. The former CEO of Hewlett-Packard, Carly Fiorina, seeking the Republican nomination to challenge this senator in 2010. Name this woman who, with Diane Feinstein, is a U.S. Senator from California.

ANSWER: Barbara **Boxer**

8A. It is located above the point where a fault ruptures during an earthquake. Name this area on the earth's surface directly above the focus.

ANSWER: **epicenter**

8B. It is a seven-line iambic pentameter stanza with rhyme scheme ababbcc. Chaucer used it in *Troilus and Criseyde* and *The Parliament of Fowles*. Identify this regally-named poetry scheme.

ANSWER: **rhyme royal**

9A. This is a 30-second calculation question. What are the roots of $x^3 - 5.5x^2 - 17.5x + 49$?

ANSWER: $x =$ **-3.5, 2, 7** [accept in any order]

9B. This is a 30-second calculation question. Consider a cone of height h and radius r . If $14h = 336$ and $3r + 3 = h$ and we approximate π by 3.14, what is the surface area of the cone?

ANSWER: **703.36**

10A. This number is the constant of proportionality between the velocities of galaxies and their distances. Name this constant named in honor of an American astronomer that shows the rate at which the universe is expanding.

ANSWER: **Hubble** constant

10B. This man perfected the process of using dry plates for photography, and he introduced the roll film on a transparent base. Name this founder of his namesake Kodak film company.

ANSWER: George **Eastman**

1. This city is the home of Oscar Niemeyer's Copan Building, and the 9 de Julho Palace is also located here. The massive Morumbi and Pacaembu football stadiums are located here. This city's Mirante do Vale is the tallest building in this city's country. Guarujá is a beach resort for this city. The Parque do Ibirapuera is the home of this city's Art Biennial. This city is located on the Tiete (Tyuh-Tey), and Pinheiros, rivers. This city's Atlantic port is Santos. For 10 points, name this largest city in Brazil.

ANSWER: Sao Paulo

030-09-9-07117

2. This man sued Jimmy Carter, saying the president could not nullify a treaty with Taiwan without Senate approval. Late in life, he alarmed conservatives by claiming that “gays have served honorably in the military since Julius Caesar.” Ronald Reagan gave the “A Time For Choosing” speech in support of this man, who proclaimed that “extremism in the defense of liberty is no vice.” He was attacked in a commercial showing a daisy-picking girl consumed by a nuclear explosion. For 10 points, name this Arizona Republican defeated by Lyndon Johnson in 1964.

ANSWER: Barry Goldwater

052-09-9-07118

3. In complete metric spaces, Cauchy sequences always have one of these. Those of a function can be found using the sandwich theorem and a typical definition is that for some delta region around x , $f(x)$ will be within some epsilon region. A technique for finding indeterminate ones of functions of form $f(x)/g(x)$ uses the ratio of the respective derivatives and is better known as L'Hôpital's rule. These are often used to give define derivatives. For 10 points, name this concept often given as the value of a function as it approaches a certain point.

ANSWER: limit

064-09-9-07119

4. This substance is assumed to have vertical equipotential lines in order to simplify solutions to an equation for its movement. That assumption named for Dupoit is invoked along with Darcy's law to explain this substance's movement. Pockets of air are found alongside it in the vadose zone. It is present in any bedrock pore in the phreatic zone. Structures that contain it can emit it spontaneously if its namesake "table" is above ground level. This substance flows freely from artesian wells. For 10 points, name this substance, which is found in porous rock in aquifers.

ANSWER: water [accept groundwater; or underground water; or H₂O; or other reasonable equivalents]

022-09-9-07120

5. The protagonist of this story stops drinking tea at night in order to save more money. After being mocked by fellow copyists, the protagonist of this story is helped by Petrovich to spend eighty rubles in St. Petersburg. The protagonist of this story dies of a fever while ranting about a Person of Consequence who berated him for asking about an item stolen after a party. Akaky Akakievich haunts St. Petersburg in continuing pursuit of a piece of clothing in this story. For 10 points, name this short story about that titular lost piece of winter clothing, written by Nikolai Gogol.

ANSWER: "The Overcoat" [or "Shinel"]

032-09-9-07121

6. This battle proved indecisive due to Milham and Longstreet's inability to pursue the defeated enemy. Its turning point came when one unit overran Ellsworth's Fire Zouaves on Henry House Hill after being described by Bernard Bee as being like a "stone wall," and the withdrawal of the losing side under Irwin McDowell was blocked by the large number of spectators. For 10 points, name this Confederate victory where Stonewall Jackson earned his nickname, the first major battle of the American Civil War.

ANSWER: **First** Battle of **Bull Run** [or **First** Battle of **Manassas** Junction, prompt on "Bull Run" or "Manassas"]

059-09-9-07122

7. This author wrote a three-character play about junk store owner Don and his friends, who attempt to steal a rare coin collection. This man's most famous play features a police detective named Baylen, who interrogates such other characters as Dave Moss and George Aaronow. This author of *American Buffalo* created Shelly "the Machine" Levene and Ricky Roma, who are both obsessed with obtaining sales leads. For 10 points, name this American playwright who described the cutthroat world of real estate sales in *Glengarry Glen Ross*.

ANSWER: David **Mamet**

052-09-9-07123

8. An administrator of the French one of these organizations, Joseph Dupleix, was recalled after being defeated by Robert Clive. The Dutch one of these organizations was based out of Batavia, and massacred workers for a different one of these at Amboina. That other one was colloquially known as John Company, and was the target of the Sepoy Rebellion, which ended its status as the de facto government of its namesake colony. For 10 points, give the common name of these joint-stock companies originally chartered to participate in the spice trade.

ANSWER: **East India Company** [or **East India Companies**]

004-09-9-07124

9. One author used this language to write a novel about the quest of two students who call themselves the Visceral Realists. This language was used by that author to write the novels *2666*, and *The Savage Detectives*. Another author used this language to write a short story about a man who sees a point that contains all other points showing him the entire universe. For 10 points, name this language used to write "The Aleph," and "The Garden of Forking Paths," as well as similar works by Roberto Bolaño, Jorge Luis Borges, and other authors from Argentina.

ANSWER: **Spanish** Language [accept Español]

004-09-9-07125

10. This language's arguments dot callee gives extra power to anonymous functions. Like Python, it has a for in construction. Commonly used libraries for this language includes Ext, YUI, and Dojo. Primitive types in this language include undefined and null. Instead of using classes, this language like its Self predecessor uses prototypes. Local variables can be declared by the keyword var. For 10 points, name this programming language often used in webpages.

ANSWER: **JavaScript** [or **ECMAScript**; or **JScript**]

024-09-9-07126

11. One queen with this name fought the Chyncha Island war and was forced into exile in 1868 after becoming the only queen-regent of a unified Spain. Another queen of this name was nicknamed "The She-Wolf of France" and aided Roger Mortimer in overthrowing her husband Edward II. Another queen with this name expelled all Jews from her kingdom in the Alhambra decree and was the mother of Joanna the Mad. That queen with this name earned the epithet "the Catholic" and sponsored the voyages of Christopher Columbus. For 10 points, give this name held by a queen of Castille whose marriage to Ferdinand of Aragon unified Spain.

ANSWER: **Isabella**

015-09-9-07127

12. He called the framework for nature to allow people to mentally develop genetic epistemology. He claimed that in one stage of life, we are unable to understand conservation. This man believed that we learn through adapting our schemas. He claimed that in one stage of life, we are unable to understand conservation. That phase is called the preoperational stage, which precedes the concrete and formal operational stages, but follows the sensorimotor stage. For 10 points, name this Swiss psychologist who studied the mental development of children.

ANSWER: Jean **Piaget**

027-09-9-07128

13. This work, which was written for a competition with Horace Smith, ends by describing the "lone and level sands" that "stretch far away." A visage in this poem conveys the frown, wrinkled lip, and "sneer of cold command" of the title figure, who is also described as "the hand that mocked them and the heart that fed." This poem relates the story of a traveler met in an "antique land" who tells of "two vast and trunkless legs of stone" in the desert. A pedestal described in this poem reads "Look on my works, ye Mighty, and despair!" For 10 points, name this sonnet about a titular "king of kings," written by Percy Bysshe Shelley.

ANSWER: "**Ozymandias**"

026-09-9-07129

14. This philosopher created a table that used the headings of quantity, quality, modality, and relation to define different forms of judgment. One work by this man describes the impossibility of disproving two valid but contradictory claims called antinomies. This philosopher wrote that morals came out of a rationality called the categorical imperative in his work *Groundwork for the Metaphysics of Morals*. This thinker wrote multiple critiques, such as his *Critique of Pure Reason*. For 10 points, name this eighteenth-century German philosopher.

ANSWER: Immanuel **Kant**

023-09-9-07130

15. Felix Mendelssohn's overture Calm Sea and Prosperous Voyage was inspired by two short poems by this author. This author asked "Who rides so late through the night and wind?" in his poem about a child killed by a supernatural being, "The Erl King." This author wrote a two-part play whose title character fathers a child with Gretchen and marries Helen of Troy after selling his soul to Mephistopheles (meh-fist-OFF-oh-leas). For 10 points, name this German author of *Faust*.

ANSWER: Johann Wolfgang von **Goethe**

004-09-9-07131

1. This organ is calcified in a condition named for its resemblance to porcelain, and a condition caused by an excess of cholesterol is named for this organ's resemblance to a strawberry. Like the pancreas, it is emptied through the action of the hormone cholecystokinin (COAL-uh-sis-toe-KINE-in). Its cystic duct connects with the common hepatic duct; that connection forms a duct named for a substance the liver produces but this organ stores. For 10 points, name this organ found just above the liver, whose main function is to store bile.

ANSWER: **gallbladder**

024-09-9-07132

2. This artistic movement spawned another movement that focused on the effects of light, luminism. A craggy peak overlooks a burgeoning civilization and a naval battle in one series of paintings from this movement. One painter in this group depicted a contemporary meeting William Cullen Bryant on a rock outcropping in *Kindred Spirits*. Other works of this movement include *Heart of the Andes*, and the *Voyage of Life* and *Course of Empire* series. Its members included Asher Durand and Thomas Cole. For 10 points, name this group of American landscape artists, named for a New York valley.

ANSWER: **Hudson River** School

062-09-9-07133

3. In this work, Jacinto is seen guarding the opening of a ceremonial cave, and Antonio Jose Martinez had earlier instigated a revolt of the Taos Indians. Magdalena warns the title character of the evil intentions of her husband Buck Scales and lives with Kit Carson, and the lifelong friend of the title character is Father Joseph Vaillant. For 10 points, name this novel centering on Father Jean Marie Latour's experiences in New Mexico, a work of Willa Cather.

ANSWER: **Death Comes for the Archbishop**

030-09-9-07134

4. One text of this type begins with a "euhemerized" (yoo-HEM-er-ized) prologue in which the central figures are claimed to be resettled Trojan warriors who came to be worshiped. One of these texts contains a poem in which a trickster god levies insults at the other gods. The "Poetic" or "Elder" one of these texts contains such "lays" as the *Lokasenna* and *Voluspa*. The "Prose" one was written by Icelandic statesman Snorri Sturluson. Both of these texts outline a system of myth that contains such figures as Baldur, Loki, and Odin. For 10 points, give the general name for these primary-source texts for Norse mythology.

ANSWER: the **Eddas**

026-09-9-07135

5. One problem concerning the substances is solved using the Sackur-Tetrode equation and is presented in the Gibbs paradox. The law named for these substances is not effective when dealing with high pressures or low temperatures. That law is a combination of laws named for Charles and Boyle. These substances are assumed to have no attractions between themselves, and have completely elastic collisions. For 10 points, name this hypothetical form of a phase of matter, which is modeled by its same named equation of $PV=nRT$ ("P-V equals N-R-T").

ANSWER: **ideal gases** [prompt on **gases**]

023-09-9-07136