

1. In this play, one character states "Jack shall have Jill. Nought shall go ill." In this play, Egeus's daughter runs into the woods. "Rude mechanicals" perform *Pyramus and Thisby* at Theseus's wedding in this play. One character declares "Lord, what fools these mortals be!" That character gives a love potion that causes Demetrius and Lysander to vie for Helena instead of Hermia. That love potion also makes Titania fall in love with Bottom, who has his head turned into a donkey's. For 10 points, name this Shakespeare play featuring the fairies Puck and Oberon.

ANSWER: A *Midsummer Night's Dream*

027-09-9-03101

2. This country was politically dominated by the rabiblancos (rahb-EE-blahn-KOHS), or 'white-tails,' before the overthrow of Arnulfo Arias ("ARE"-ee-AHS). From 1968 to 1981, this country was dominated by General Omar Torrijos ("tore"-REE-os). One ruler of this country was targeted by Operation Just Cause, which blasted annoyingly loud rock music to force him out of this country's Vatican Embassy. During the 1980s, this country was ruled by Manuel Noriega. For 10 points, name this Central American country that in 1999 regained full control of its canal connecting the Atlantic and Pacific Oceans.

ANSWER: Republic of Panama [or Republica de Panama]

004-09-9-03102

3. Tales from this people include a symbolic marriage with the earth and their creation story orders animals, clay, and wood as coming before mankind. Their death deities include Hunhau (wan-WAH). Their underworld, called Xibalba (shee-BALL-bah), was visited by two twins important to their mythology. Those twins had earlier slain the deity Seven Macaw. That tale of Hunaphu (WAN-ah-pwa) and Xbalanque (SHEE-BA-lan-KAY) appears, among other sources, in the Popol Vuh. Centered around Copan and Tikal, for 10 points, name this Mesoamerican culture that was responsible for the construction of Chichen Itza.

ANSWER: the Mayans

040-09-9-03103

4. Nickel is purified in the Mond process by reacting it with this compound. This compound can react with chlorine gas to form phosgene (FOSS-jeen), which was once used as a chemical weapon. A mixture of it with hydrogen gas is called syngas. It is referred to as carbonyl (CAR-bo-neel) when it functions as a ligand. In the body, hemoglobin (HEE-mo-glo-bin) is about two hundred times more likely to bond to this compound than oxygen. It is formed in incomplete but not complete combustion reactions. For 10 points, name this odorless, colorless gas that is often called "the silent killer," which has the formula CO.

ANSWER: carbon monoxide [or CO before mentioned]

064-09-9-03104

5. This composer wrote six scenes of incidental music for his brother-in-law Arvid Jarnefelt's play *Kuolema* (kwo-LEM-uh), the most famous of which is this man's *Valse Triste* (VAHLS TREEEST). He used two english horns to musically depict a bird mournfully swimming around an island in his piece *The Swan of Tuonela* (twoh-NELL-uh), which was based on the mythology of his homeland. For 10 points, name this composer who used the *Kalevala* as the source for his *Lemminkainen* (Lem-in-KY-nen) *Suite* and who composed *Finlandia*.

ANSWER: Jean Sibelius

026-09-9-03105

6. Just before his death, this writer wrote about dreams running around withered fields after falling sick on a journey. He also envisioned the broken dreams of soldiers while watching summer grasses. This man was accompanied by Sora on a journey that produced his *Narrow Road to the Deep North*. One of his works involves a frog's jump into an old pond. This writer's works are rich in "season words." For 10 points, what Edo-period writer is considered the master of the seventeen-syllable haiku?

ANSWER: Matsuo **Basho** [or Matsuo **Kinsaku**]

034-09-9-03106

7. The year before this event, a demonstration over poor dormitory conditions had been violently suppressed and a writer's union expressed displeasure over censorship of their weekly magazine. The Two Thousand Words manifesto was delivered during this event, which attempted to institute "socialism with a human face." An article claiming that a certain country's "self-determination...would have been detrimental to the other socialist states" was used to justify the Soviet intervention that ended this experiment. For 10 points, name this period of 1968 during which reforms were attempted in Czechoslovakia.

ANSWER: **Prague Spring** [or **Pražské Jaro**; or **Pražská Jar**]

003-09-9-03107

8. Data serialization and restoring serialized data requires these objects to be "swizzled" and "unswizzled." Nonstatic methods implement one of these called "this." Each node of a doubly linked list includes two of these, often called "next" and "previous;" the head and tail nodes have one each of these set to NULL. These objects are "dereferenced" to obtain the value at the address they indicate. For 10 points, name these variables present in many programming languages, notably C and C++, that store a memory address.

ANSWER: **pointers**

022-09-9-03108

9. One early scene in this film sees a character knowing the name of the Lone Ranger's nephew's horse. The protagonist attends Warren G. Harding Elementary School and is a fan of the *Little Orphan Annie* radio show, although he is angry that his decoder ring only produces an Ovaltine commercial. Near the end of this film, a meal is ruined thanks to the Bumpus hounds, forcing the Parker family to go to a Chinese restaurant to eat holiday dinner. For 10 points, name this yuletide movie about Ralphie and his dream of an official Red Ryder B.B. gun.

ANSWER: A **Christmas Story**

052-09-9-03109

10. One of the mediators of this agreement was Fabio Chigi, who later became Pope Alexander VII. Under it, Sweden received Western Pomerania. This agreement revoked the Edict of Restitution and renewed the terms of the Peace of Augsburg. It consisted of two treaties signed at Münster and Osnabrück. It accorded equal rights to Protestants and Catholics in the Holy Roman Empire. For 10 points, name this 1648 agreement which ended the Thirty Years' War.

ANSWER: Peace of **Westphalia**

024-09-9-03110

11. This work was revised several times in the years following its publication at the urging of Wilhelm Stekel; the revisions included very stringent symbolisms such as one about climbing ladders. Case studies are interrupted with Irma's Injection, an experience of the author. The author argues that the titular entities are examples of wish-fulfillment or the expression of the unconscious uncensored by the preconscious. Also containing a formulation of the Oedipus Complex that was expanded upon in the author's *Beyond the Pleasure Principle*, this is, for 10 points, what psychological text by Sigmund Freud?

ANSWER: *The* **Interpretation of Dreams** [or *Die* **Traumdeutung**]

040-09-9-03111

12. The sanctified first pope of this name took over for the martyred St. Callixtus I. Fulcher of Chartes and Robert the Monk gave conflicting accounts of whether a pope of this name gave a famous speech including the lines "God wills it!" The journeys of Peter the Hermit and Walter the Penniless prompted the second pope of this name to call the Council of Clermont, which sparked a military conflict in which the Christian armies of Godfrey of Boulloin prevailed and set up the Kingdom of Jerusalem. For 10 points, name this papal name, the second of whom called the First Crusade.

ANSWER: **Urban**

026-09-9-03112

13. Some models of this process have a LS factor, and the most common model for it is the revised USLE. This process comes in sheet, rill, and gully forms. It opposes orogeny and loosens the ped structure. The products of this process can undergo deposition. Fluvial, aeolian, and glacial processes cause this process, which can be increased by a lack of vegetation. It is similar to, but not the same as, the related concept of weathering. For 10 points, name this process by which materials such as soil are moved, such as when a stream wears down its banks.

ANSWER: **erosion**

001-09-9-03113

14. One of this writer's poems begins by stating "Thy trivial harp will never please or fill my craving ear." Another of this man's poems includes the line "I am the doubter and the doubt." In addition to "Merlin" and "Brahma," this thinker wrote, "Unmeasure still my Shakespeare sits lone as the blessed Jew." This writer stated "beauty is its own excuse for Being" in his poem "The Rhodora." For 10 points, name this author of the essay *The Over Soul* who was an American transcendentalist.

ANSWER: Ralph Waldo **Emerson**

030-09-9-03114

15. This man proved the theorem of quadratic reciprocity. He used his formulation of least squares to accurately predict the orbit of Ceres. This mathematician discovered a compass and ruler construction for the heptadecagon. This man devised an improved proof of the fundamental theorem of arithmetic. According to a popular legend, while still in school he devised a simple formula for the sum of one through n. His name is also attached to a statistical distribution about a mean, also called the normal distribution or bell curve. For 10 points, name this German mathematician.

ANSWER: Carl Friedrich **Gauss**

001-09-9-03115

1A. What is the term for the feat in which a basketball player records ten or more of three different individual categories, such as points, rebounds, and assists, in a single game?

ANSWER: **triple-double**

1B. Interstates 35 and 80 briefly become the same highway near what Midwestern capital?

ANSWER: **Des Moines**

2A. What part of the brain facilitates information transfer between the left and right hemispheres and is severed in split-brain patients?

ANSWER: **corpus callosum**

2B. Jacques-Étienne and Joseph-Michel were the two brothers of what surname, who made the first hot-air balloon flight in 1782?

ANSWER: **Montgolfier**

3A. In January 2010, news outlets reported that money laundering by Somali pirates was thought to be the cause of a massive increase in property prices in what nation?

ANSWER: Republic of **Kenya** [or Jamhuri ya **Kenya**]

3B. What video game console system includes controllers called the "Remote" and "Nunchuk"?

ANSWER: Nintendo **Wii**

4A. This is a 10-second calculation question. Evaluate $3x^2 - 7x + 9$ when $x = -3$.

ANSWER: **57**

4B. This is a 10-second calculation question. A banner is placed on a 12-foot wall. If the banner covers 35% of the length of the wall, what is the length of the banner in feet and inches?

ANSWER: **4 feet, 2.4 inches**

5A. What form of experimental literature consists of a series of nodes connected by links, thus allowing each reader to proceed through multiple narratives in a highly nonlinear fashion?

ANSWER: **hyperfiction** [or **hypertext** fiction]

5B. What sociologist coined the terms "ethnocentrism," "folkways," and "mores" (MOR-ayz)?

ANSWER: William Graham **Sumner**

6A. This is a 20-second calculation question. Three of the corners of a rectangle are at the points (10, 10), (5,0), and (2, 4). Find the location of the fourth corner.

ANSWER: **(13, 6)**

6B. This is a 20-second calculation question. Divide 9.4624 by 7.09.

ANSWER: **1.36**

7A. What Chinese-American architect designed both the Rock and Roll Hall of Fame and the glass pyramid at the Louvre?

ANSWER: Ieoh Ming **Pei**

7B. Thomas de Quincey's essay about the knocking at the gate in this play analyzes an event that occurs just after a murder in what Shakespeare tragedy?

ANSWER: **Macbeth**

8A. By analyzing the pattern of deflections of P-waves, Inge Lehmann was able to propose the existence of what innermost layer of the Earth?

ANSWER: **inner core** [prompt on **core**]

8B. What is the term for the form of alliteration in which stressed vowel sounds are repeated?

ANSWER: **assonance**

9A. This is a 30-second calculation question. According to a recent census, a certain town has 590 households with no children, 1826 households with one child, 1574 households with two children, 153 households with three children, and 26 households with four children. In this town, to the nearest tenth, what is the average number of children per household?

ANSWER: **1.3**

9B. This is a 30-second calculation question. Solve the system of equations $-8x+2y-4z = -40$; $3y-8z = -12$; $-8x+9y-4z=-68$.

ANSWER: **(4, -4, 0)**

10A. The surnames "Herrera" in Spanish, "Kowalski" in Polish, and "Favre" (FARV) in French all roughly translate to what English surname?

ANSWER: **Smith**

10B. What law states that any current generated by induction will act to oppose the magnetic field that originally produced it?

ANSWER: **Lenz's** Law

1. This author's World War I ambulance driving led to the novels *One Man's Initiation 1917* and *Three Soldiers*. This author created Ellen Thatcher and Jimmy Herf. Those characters appear in a work by this writer featuring impressionistic views of New York City called *Manhattan Transfer*. This man's longest work includes "Newsreel" and "Camera Eye" segments and consists of *The 42nd Parallel, 1919*, and *The Big Money*. For 10 points, name this American author of the U.S.A. Trilogy.

ANSWER: John Roderigo Dos Passos

062-09-9-03117

2. One occurrence of this type of event spurred the Rogers Commission. Another instance of this type of event was the subject of Appendix F, in which Richard Feynman blasted engineers for misunderstanding the "safety factor" prior to it happening in 1986. This type of event occurred in 2003 when falling debris stripped an area of reinforced carbon-carbon panels. Cold conditions contributed to the first occurrence of this type of event, in which frayed O-Rings led to the death of Christa McAuliffe and six others. For 10 points, name this disaster which befell the *Columbia* and *Challenger* crafts.

ANSWER: Space Shuttle explosions [or equivalents including "Space Shuttle;" prompt on general answers like spacecraft explosions]

026-09-9-03118

3. In the Old Testament, this figure's birth was foretold by an angel to Manoah's wife, who had been barren for many years. On this man's way to his own wedding, he discovers bees nesting in the carcass of a lion and eats honey from that carcass. He once killed a thousand warriors with the jawbone of an ass. He was raised as a Nazarite, which meant he took certain vows. He later brought down the temple of Dagon on the heads of the Philistines after his betrayal. For 10 points, name this symbol of strength from the book of Judges whose hair was cut by the treacherous Delilah.

ANSWER: Samson [or Shimshon; or Shamshoon]

045-09-9-03119

4. One section of this organ contains a mass of lymphoid (LIM-foid) tissue called Peyer's (PAY-erz) Patches. Another section of this organ receives a material from the pylorus known as chyme. Like the esophagus, this organ uses a contractile motion known as peristalsis (PAIR-ee-STALL-sis). This organ receives the enzymes trypsin (TRIP-sin), lipase (LYE-"pace"), and amylase (AMM-ill-ase), which break down proteins, lipids, and starches, respectively. For 10 points, name this organ divided into the jejunum, ileum, and duodenum, whose main function is to digest food before it passes into the large intestine.

ANSWER: small intestine [accept ileum before "chyme" is read]

064-09-9-03120

5. A character in one of this author's works proclaims "the alehouse and the stable are the only schools he'll ever go to." Constance Neville schemes to keep some jewels in the family and Hardcastle denounces Tony Lumpkin in that work, subtitled *The Mistakes of a Night*. In a novel by this man, a church official fakes the death of his daughter Olivia. In that book, Burchell fools the Primoses when he disguises himself as Thorndike. For 10 points, name this Irish writer of *She Stoops to Conquer* and *The Vicar of Wakefield*.

ANSWER: Oliver Goldsmith

063-09-9-03121

6. This politician led a program which served school meals to occupied Germans after World War II. He led a namesake commission in 1947 which recommended administrative changes within the federal government. This politician broke party lines to appoint the Democrat Benjamin Cardozo to the Supreme Court. This man signed into law the Norris-La Guardia Act and set up the Reconstruction Finance Corporation. Veterans formed the Bonus Army to protest this man's policies. For 10 points, name this U.S. president during the 1929 stock market crash.

ANSWER: Herbert Clark **Hoover**

052-09-9-03122

7. Spirochetes (SPY-ro-KEATS) have modified versions of these structures known as axial filaments. In bacteria, the hook, or base of this organelle, is covered. This organelle is attached to a basal body. In eukaryotes, they are the longer of two types of structures that are composed of a "nine plus two" arrangement of microtubules. Unlike that other structure, cilia, these structures work by rotating in a clockwise or counterclockwise manner. For 10 points, name these whiplike projections that are the main method of cell motility in *Euglena* and sperm cells.

ANSWER: **flagella** [or **flagellum**]

027-09-9-03123

8. The largest lake in this nation, located in its east about two hundred miles south of Kars, is Lake Van. The Pontic Mountains rise along the northern coast of this country and run eastward into Georgia. The Taurus Mountains follow the southern coast. The Euphrates and Tigris Rivers rise in this country before flowing south into Syria and Iraq. The European portion of this nation is separated by the Bosphorus. For 10 points, name this nation located between the Black and Mediterranean Seas that contains the Anatolian Plateau.

ANSWER: Republic of **Turkey** [or **Turkiye** Cumhuriyeti]

051-09-9-03124

9. One of this author's plays centers on the victim of a scheme of Don Sallusto who falls in love with the queen. Another focuses on a bandit who loves Dona Sol and caused a notable demonstration upon its premiere. In addition to *Ruy Blas* and *Hernani*, he wrote a novel that features the characters of Bishop Myriel, Fantine, and Cosette. For 10 points, name this French author who wrote about a transparent antagonism between Inspector Javert and Jean Valjean in *Les Miserables*.

ANSWER: Victor Marie **Hugo**

040-09-9-03125

10. Directly above an altar, this man painted the prophet Jonah looking towards God in front of the whale. He also painted Charon in one work that also contains a self-portrait of himself in the skin of St. Bartholomew. He included horns on his statue of Moses. He painted a beardless Jesus in heaven above the damned in hell in one fresco. This sculptor of a *Moses* for the tomb of Pope Julius II painted Adam stretching out his hand to receive life from God in one fresco. For 10 points, name this painter of *The Last Judgement* and the Sistine Chapel ceiling.

ANSWER: **Michelangelo** di Lodovico Buonarotti Simoni [or Michelangelo **Buonarotti**]

027-09-9-03126

11. Methods of measuring the magnitude of this effect often include the use of a platinum probe, such as a DuNouy ring or Wilhelmy plate. This phenomenon is no longer changed once the critical micelle concentration is reached. Those micelles are formed by substances that lower the strength of this effect, which are called surfactants. This effect limits the height in a container of a meniscus caused by capillary action. Bubbles form spheres according to this effect. For 10 points, name this cohesive attraction that causes a film to be created at the top of liquids, which allows some insects to walk on water.

ANSWER: **surface tension**

023-09-9-03127

12. This plan encouraged the use of "houses of happiness," in which the elderly were placed out of the care of their families. During the time this plan was in effect, farmers were encouraged to use deep plowing and close planting, both of which hurt crop production. This plan that "put politics in command" saw the promotion of Liu Shaoqi (LEE-oo shao-CHEE) and the creation of over six hundred thousand backyard steel furnaces. For 10 points, name this economic policy started as a five year plan in 1958, by which Mao planned for China to modernize into an industrial state in a short period of time.

ANSWER: **Great Leap Forward** [or **Dayuejin**; or **Second Chinese Five Year Plan**; prompt on **Five Year Plan**]

023-09-9-03128

13. Two characters in this play are only thought of as grotesque, "no-necked monsters." This play ends with the bitter reply of one character, "Wouldn't it be funny if that was true?" A character has possible romantic feelings for Skipper in this play. The couple Mae and Gooper scheme to secure another character's estate. In this play, Doctor Baugh prescribes heroin for one protagonist, who has the "lech" for a character who dodges a crutch, Maggie. Brick Pollitt is the son of Big Daddy in, for 10 points, what play by Tennessee Williams?

ANSWER: **Cat on a Hot Tin Roof**

004-09-9-03129

14. In 2009, the CIA announced that half of the twenty most wanted Al Qaeda suspects in Pakistan had been killed using these devices, though Pakistani groups named hundreds of civilian casualties resulting from their use. In 2010, the U.S. Department of Defense announced that these vehicles's monitoring systems were being hacked by Iraqi insurgents using the program SkyGrabber, which is sold to the public for thirty dollars. For 10 points, an increasing number of aerial bombings by the U.S. military are being conducted using what remotely controlled, pilot-less aircraft?

ANSWER: **Predators** [or **Predator RQ-1** planes; or **Predator MQ-1** planes; or **Predator MQ-9** planes; or **Reapers**; or **drone** planes; or **UAVs**; or **Unmanned Aerial Vehicles**]

019-09-9-03130

15. During this event, a "Declaration of the People" accused twenty-one people of having raised "great unjust taxes" and appointing "scandalous and ignorant favorites" as judges. One of those targets of this event had called the "Long Assembly," which passed trade restrictions several traders considered unfair. The problems that led to this event began with a dispute at the plantation of Thomas Mathews and a subsequent retaliatory attack on the Susquehanna tribe. William Berkeley hanged twenty-three men for their participation in this rebellion, during which Jamestown was burned. For 10 points, name this 1676 rebellion in Virginia.

ANSWER: **Bacon's Rebellion**

003-09-9-03131

1. This country is found in the name of an album of "Sketches" by Miles Davis. One composer from this country wrote *The Three Cornered Hat* and *Love the Magician*. Mikhail Glinka was inspired by this country to write *Jota Argonesa* (HO-ta ar-go-NAY-sa). Isaac Albeniz wrote a series of tone poems inspired by this country named *Iberia*. This nation is the home of Joaquin (hwa-KEEN) Rodrigo and Manuel de Falla (FYE-ya). For 10 points, name this country that inspired the musical work *Summer Night in Madrid*.

ANSWER: Kingdom of **Spain** [or Reino de **Espana**]

027-09-9-03132

2. This man wrote a glowing letter to his friend Dionigi after he climbed Mount Ventoux. This man wrote of meeting a woman on Good Friday and alleged that she also died on Good Friday. One of his collections is also called *Rime Sparse* (ree-MAY spar-SAY), or "scattered rhymes." He wrote the poetry collection *Il Canzoniere*, or "song book," which was dedicated to his beloved Laura. For 10 points, name this Renaissance humanist and early poet who names a type of Italian sonnet.

ANSWER: **Petrarch** [or Francesco **Petrarca**]

026-09-9-03133

3. Along with sodium carbonate, this substance's chloride is a byproduct of the Solvay Process. This element can be made through the reaction of its oxide with aluminum. This element's oxide is known as quicklime. Lime is a heated form of this element's carbonate. Marble is a crystalline form of this element's carbonate that is also known as limestone. This element has an electron configuration of [Ar]4s2 ("Argon Four S Two"). For 10 points, name this alkaline earth metal with symbol Ca.

ANSWER: **calcium** [or **Ca** before it is read]

059-09-9-03134

4. This monarch's sister Hesione saved him from slavery as a child. His first wife Arisbe married Hyrtacus. This man's children with his second wife Hecuba included Troilus and Polites. Iris recommended this figure make a risky trip without any guards into enemy territory. Hermes helped guide him to Achilles' tent so this man could negotiate a ransom of his son's body. As this man's city is being overrun, Neoptolemus (nee-OP-tall-UH-mus) slays Polites and then this son of Laomedon (lay-AW-meh-don) in brutal fashion. For 10 points, identify this father of Hector and king of Troy in the *Iliad*.

ANSWER: **Priam**

063-09-9-03135

5. One species of these creatures, *Mycocepurus smithii* (MY-coh-seh-"PURE"-us "SMITH"-e"), is cultivated by the Attini and is entirely female. The presence of a metapleural (MET-uh-PLOOR-uhl) gland, which secretes phenylacetic acid (FEN-il-uh-SEE-tic), differentiates most species of these creatures from other members of order Hymenoptera (hi-men-OP-ter-uh). These organisms of family Formicidae (for-MISS-uh-dee) often herd aphids for food and include "driver," "carpenter," and "army" varieties. For 10 points, name these insects which form underground hives occupied by soldiers, workers, and the queen.

ANSWER: **ants** [or **Formicidae** until it is read]

059-09-9-03136