

1. This artist's portrait of Pope Innocent the Tenth was modified by the modern painter Francis Bacon. This artist painted the god Bacchus crowning a drunken reveler with laurels in his work *Los borrachos*. This man painted himself holding a palette and wearing a black robe with a cross on it in his another painting. That painting by this man also depicts a girl stepping on a dog, and a dwarf attending to the Infanta Margarita. For 10 points, name this court painter to Philip IV who painted *Maids of Honor* in his *Las Meninas*.

ANSWER: Diego Velazquez

015-10-14-01101

2. This element forms cluster compounds with iron, and those cluster compounds are important to enzymes like coenzyme Q-cytochrome c reductase (CO-EN-zime "Q" SY-toe-krome "C" ree-DUCK-tase). Bonds between two of this element, which form between cysteine (SIS-teen) residues, are critical to protein conformation. This element has an isotope that forms an eight-atom ring. For 10 points, name this element associated with the smell of rotten eggs, with atomic number sixteen.

ANSWER: sulfur

022-10-14-01102

3. This man was the victorious commander at a battle that saw the bribing of the grain outpost commander at Clastidium and in which his half-brother Mago opened with an ambush. In addition to defeating Tiberius Sempronius Longus at Trebia, this man ambushed Gaius Flaminius and drove Roman forces into Lake Trasimene. This man's brother's head was thrown into his camp at one point. This man was victorious at Cannae before losing at Zama. For 10 points, name this commander during the Second Punic War, the Carthaginian brother of Hasdrubal and son of Hamilcar Barca.

ANSWER: Hannibal

026-10-14-01103

4. The concurrent type of this process is contrasted with the incremental type, both of which stop a program in question for shorter times than "stop the world." This process prevents segmentation faults because it stops dangling pointers. For 10 points, name this process wherein a program creates more space by destroying objects that aren't in use anymore.

ANSWER: garbage collection

033-10-14-01104

5. This leader's military launched Operation Uranus and won the Battle of Kursk. This leader targeted Jews during the Doctors Plot, but died before he could finish it. He outlined the concept of "Socialism within One Country." His foreign minister was Molotov and he ordered the assassination of Trotsky. At the Yalta and Potsdam conferences, this member of the Big Three was given control over the future Warsaw Pact. For 10 points, name this dictator of the Soviet Union during WW2, the successor of Lenin.

ANSWER: Joseph Stalin

021-10-14-01105

6. The log of the partition function times Boltzmann's constant times temperature yields one form of this quantity. The type of this calculated by subtracting the product of temperature and entropy from internal energy also gives that quantity and is named for Helmholtz. Enthalpy minus the product of temperature and entropy is equal to the Gibbs variety of this quantity. For 10 points, name this quantity, the amount of useful work that can be extracted from a system.

ANSWER: free energy

032-10-14-01106

7. In the fortune-telling scheme of this belief system, kichi (KEY-CHEE) signifies a blessing, while kyo signifies a curse. Honden and Torii (TO-REE-EE) make up the places of worship of this religion, the most famous of which is the Ise (EE-SAY) Shrine. "The way of the gods" is the literal name of this religion, although its objects of worship are spirits called kami. For 10 points, Amaterasu is the chief deity of what animistic religion of Japan?

ANSWER: Shintoism

034-10-14-01107

8. In one work by this author, the prisoner Sologdin attempts to trade his "voice encoder" for his freedom. In another of this man's novels, Pavel Rusanov, the government informer with a large tumor on his neck, is one of the figures that Oleg Kostoglov meets at the hospital. This author of *First Circle* and *The Cancer Ward* also wrote a work that begins with a trumpet signaling the awakening of the title character, who lives in a gulag labor camp. For 10 points, name this Soviet author who emigrated to the U.S. and wrote *One Day in the Life of Ivan Denisovich*.

ANSWER: Aleksandr Isayevich Solzhenitsyn

034-10-14-01108

9. This composer parodied Clementi's didactic piano books in "Doctor Gradus ad Parnassum," part of a suite with movements like "Jimbo's Lullaby" and "Golliwogg's Cakewalk." Another work by this composer of *Children's Corner* was inspired by a Paul Verlaine poem. This composer wrote "The Play of the Waves" in his *La Mer*. For 10 points, name this Impressionist composer of the *Suite Bergamasque*, which includes the "Clair de lune."

ANSWER: Claude Debussy

032-10-14-01109

10. This man began his career in the political machine of Thomas Pendergast. This president decried the "Do-Nothing Congress." This man vetoed the Taft-Hartley labor bill. George Kennan and Dean Acheson were largely responsible for creating a policy named for this man. That doctrine named for this man adopted a method of containment for fighting communist expansion. This President defeated Thomas Dewey to win a second term. For 10 points, name this Democrat who succeeded FDR as president.

ANSWER: Harry S Truman

028-10-14-01110

11. The conservation of this quantity is due to the translational invariance of the Lagrangian, according to Noether's theorem. The De Broglie wavelength of a particle is equal to Planck's constant divided by this quantity for the particle. Heisenberg's Uncertainty Principle was originally given in terms of errors in position and this quantity. This quantity is conserved in both inelastic and elastic collisions, and the change in this quantity is equal to force times time, also known as impulse. For 10 points, name this quantity symbolized  $p$ , equal to mass times velocity.

ANSWER: linear momentum

028-10-14-01111

12. After the death of Meleager, this figure transformed his sisters into guinea hens. This deity accidentally killed the nymph Callisto after she had been turned into a bear. This deity was caught bathing and turned her gawker, Actaeon, into a hound. With her brother, this goddess killed the children of Niobe for offending this goddess's mother, Leto. For 10 points, name this Greek goddess of the moon and the hunt, the twin sister of Apollo.

ANSWER: Artemis

005-10-14-01112

13. New species that appeared during this period include coralline algae and the invertebrate rudists and belemnites. The Morrison Formation was formed during it as a remnant of the Sundance Sea, while other geographic developments include the formation of the Gulf of Mexico and the splitting of Pangaea into Laurasia and Gondwana. Named after the Swiss mountain range in which it was originally formulated by Abraham Werner, this is, for 10 points, which middle period of the Mesozoic Era found between the Triassic and the Cretaceous?

ANSWER: **Jurassic** Period

040-10-14-01113

14. Addo Elephant National Park is located near one city in this nation, and another city includes the tourist district known as the Golden Mile. Those cities in this nation are Port Elizabeth and Durban. This nation is home to the Drakensberg Mountains and the Great Escarpment, and this nation completely surrounds the Kingdom of Lesotho. For 10 points, name this nation whose judicial capital is in Bloemfontein and whose legislative capital is in Cape Town.

ANSWER: Republic of **South Africa**

030-10-14-01114

15. The application of ATP can induce this process in cyanobacteria ("sigh"-ANN-oh-back-TEER-ee-uh), and the suprachiasmatic (SOOP-ruh-ky-az-MAT-ic) nuclei controls this entity in mammals. It is often displayed in plants by the movement of leaves in relation to the sun. Studies have shown that mammals can maintain one of these entities despite the absence of usual cues like light and darkness. For 10 points, name this cycle of about 24 hours that governs organisms' activities and is often called the "biological clock."

ANSWER: **circadian** rhythm

032-10-14-01115

16. Jacobus Arminius led a group who deviated from the teachings of this man known as the Remonstrants. This man studied with Martin Bucer during a period where he took refuge in Strasbourg. This man was responsible for the burning at the stake of Michael Servetus. This leader worked closely with Guillaume Farel (gee-OHME fah-REHL). This man laid out his beliefs in his *Institutes of the Christian Religion*. This religious leader's doctrine of the elect implied a kind of predestination. For 10 points, name this Geneva preacher integral to the Protestant Reformation.

ANSWER: John **Calvin**

028-10-14-01116

17. In one song by this group, the male vocalist declares "you know you got me by a string, baby," and in another, the singer describes how the titular objects "drive these brothers crazy." This group's album *Monkey Business* included "Don't Phunk with my Heart." A recent song by this group features the line "you're so 2000 and late." Another of their songs requests "some guidance from above" before asking the titular question. For 10 points, name this hip-hop group whose members include will.i.am and Fergie, known for songs such as "Boom Boom Pow," "My Humps," and "Where is the Love?"

ANSWER: **Black Eyed Peas**

038-10-14-01117

18. A political cartoon about this man showed him on a pyramid of skulls. This President's cabinet was dominated by his Secretary of State, who negotiated a treaty with the British diplomat Henry Bulwer (BULL-wur), named John M. Clayton. This man died of cholera after eating strawberries and milk and was succeeded by his Vice-President, Millard (MILL-urd) Fillmore. Earlier, this President won fame by winning the Battle of Buena Vista (BWAYN-uh VEE-stuh) against Santa Anna. For 10 points, name this President, nicknamed "Ol' Rough and Ready", who won the Election of 1848.

ANSWER: Zachary **Taylor**

021-10-14-01118

19. Cadherins (cad-HERE-inz) and integrins (IN-tuh-grinz) are among the many proteins that span this structure, and flippases (FLIP-ay-suhz) aid molecule movement in it. The fluid mosaic model of this structure states that it is composed of structures like lipid rafts and protein complexes floating freely in a phospholipid bilayer (FOSS-fo-LIP-id BY-lay-ur). Ion channels aid ion transport through this entity to enter or exit the cell. For 10 points, name this barrier that separates a cell from the outside environment.

ANSWER: cell **membrane**

032-10-14-01119

20. This man married the daughter of the Lombard king Desiderius, though he later conquered the Lombard kingdom. This man's father had served as Mayor of the Palace before usurping Childeric III, the last Merovingian king. The Basques defeated this man's rearguard at the Battle of Roncevaux (ron-seh-VOH) Pass, inspiring the later *Song of Roland*. This man was succeeded by his son Louis the Pius. This man's father Pippin the Short established the Carolingian dynasty. For 10 points, name this Frankish king crowned as Holy Roman Emperor on Christmas Day in 800.

ANSWER: **Charlemagne** [or **Carolus Magnus**; or **Charles** the **Great**; prompt on **Charles**; prompt on **Carolus**]

028-10-14-01120

1. One deity from this country had a cult centered in Arsinoe and caught the four sons of another god in a net after they emerged from a lotus. In addition to Sobek, another goddess from this country was tricked into drinking blood colored beer while disguised as Sekhmet. That goddess, Hathor, was sometimes depicted as a cow. An ancient culture in this country believed that the heart of the deceased was weighed against the feather of Ma'at. For 10 points, an ancient culture in what modern-day country believed that the jackal-headed Anubis invented the process of making mummies?

ANSWER: Egypt

005-10-14-01121

2. The fourth book of this work is entitled "Of Systems of Political Economy," and argues against mercantilism. Its first section uses a pin factory to illustrate the concept of the division of labor. This work also introduced the concept that individuals pursuing their own interests promote the good of the market, which he called the "invisible hand." For 10 points, name this work published in 1776 by the economist Adam Smith.

ANSWER: An Inquiry into the Nature and Causes of the Wealth of Nations

024-10-14-01122

3. This structure features a "climbing fiber" system originating from its contralateral inferior olive. This structure's flocculonodular (FLOCK-you-lo-NOD-you-luhr) lobe is connected by Purkinje neurons to its vestibular (ves-TIB-you-luhr) nuclei. Though it is not the cerebrum, this structure's cortex is involved in motor learning. For 10 points, name this division of the brain that governs coordination and motor control, whose name means "little brain."

ANSWER: cerebellum

022-10-14-01123

4. Two characters in this novel are members of the "bigguns" and are collectively known as "Samneric." One character in this novel dies after struck by a boulder thrown by Roger. Only the person holding a conch shell is allowed to speak at the assembly in this novel, in which Ralph assumes command and leads in the construction of huts but is later challenged by Jack. For 10 points, name this William Golding novel about English school boys stranded on an island who offer up a pig's head to a mysterious "beast."

ANSWER: Lord of the Flies

045-10-14-01124

5. In one work by this author, the POCOcks comes to Paris when Chad chooses to remain with Madame Vionnet rather than return to New England. Lambert Strether is one of the title character of this author's *The Ambassadors*. Mrs. Grose is a housekeeper of an estate at Bly in another work by this author, in which ghosts named Peter Quint and Miss Jessel terrorize the children Miles and Flora. For 10 points, name this author who created Isabel Archer and wrote "The Turn of the Screw"?

ANSWER: Henry James

034-10-14-01125

6. Major Harry Rathbone was unable to stop this event. Dr. Samuel Mudd was executed for setting a cast on the broken leg of one figure who participated in this event. At the same time as this event was occurring, Lewis Powell was attempting to kill William H. Seward. A man who was later shot in a burning barn in Northern Virginia yelled "sic semper tyrannis" before perpetrating this act. For 10 points, name this event in Ford's Theater, where the sixteenth President of the United States was shot by John Wilkes Booth.

ANSWER: the assassination of Abraham Lincoln [accept obvious equivalents]

021-10-14-01126

7. The narrator of one of this author's poems observes "Blue--blue--as if that sky let fall, a flower from its cerulean wall." In another work, this author of "To the Fringed Gentian" notes that the title figure should soon depart from his heart, even though "the abyss of heaven has swallowed up" its form. This poet also wrote that one should approach the grave like a person who "lies down to pleasant dreams" in his meditation on death, "Thanatopsis." For 10 points, name this early American poet of "To a Waterfowl."  
ANSWER: William Cullen **Bryant**

034-10-14-01127

8. The generating function for these numbers is " $z$  over the quantity  $1$  minus  $z$  minus  $z$  squared." The ratio between successive elements in this sequence converges to a continued fraction with all ones, which is equal to the golden ratio. The shallow diagonals of Pascal's triangle sum to these numbers, and these numbers were first proposed in a problem involving reproducing rabbits. For 10 points, name this sequence beginning "one, one, two, three, five," where each element is the sum of the previous two elements.  
ANSWER: **Fibonacci** numbers or sequence

028-10-14-01128

9. This man wrote a story in which a child was told by an angel she would dance until she became a skeleton due to her wearing the title footwear. In addition to "The Red Shoes," one of this man's works describes Gerda's attempts to save Little Kay after a piece of the Mirror of the Devil was lodged in his eye. That work is "The Snow Queen." For 10 points, name this Danish author of children's stories such as "The Emperor's New Clothes" and "The Little Mermaid."  
ANSWER: Hans Christian **Andersen**

030-10-14-01129

10. This author created his own mythology that includes Orc, the creative passion, and Urizen, the tradition. This author wrote two collections of poetry which both include poems titled "Divine Image" and "The Chimney Sweeper." He wrote another poem that asks "What immortal hand or eye, could frame thy fearful symmetry!" of a creature "burning bright in the forests of the night." For 10 points, name this author who wrote *Songs of Innocence and Experience*, a collection that contains his poems "The Lamb" and "The Tyger."  
ANSWER: William **Blake**

034-10-14-01130

1. The protagonist of this book, Saleem Sinai, is a telepath with a nose that constantly runs.

[5] Name this novel about a group of people born at the instant of India's independence.

ANSWER: Midnight's Children

[10] This author of *Midnight's Children* also wrote a controversial novel based on the life of Muhammed, *The Satanic Verses*.

ANSWER: Salman Rushdie

[15] Another Rushdie novel is titled after Shalimar, a person of this profession. Other literary holders of this job include Hans Schnier in a Heinrich Boll novel and the stock "arlecchino" character in the *commedia dell arte*.

ANSWER: clowns

[20] Though this Rushdie novel takes place in contemporary Mumbai, India, it is titled for a historical legend about the Spanish expulsion of King Boabdil from Granada in 1492.

ANSWER: *The Moor's Last Sigh*

032-10-14-01101

2. Identify these people and entities involved in translating the Bible.

[5] This English king, the first ruler of the Stuart dynasty, famously organized a team that made the first official translation of the Bible into English

ANSWER: James I [prompt on James]

[10] The Catholic Church long opposed translating the Bible into non-Latin languages, but then officially endorsed the practice at this 1960s church council that reformed the Catholic church.

ANSWER: Second Vatican Council [or Vatican II]

[15] This Czech theologian supported religious reforms, such as translating the Bible into vernacular languages, during the 1400s. He was burned at the stake at the Council of Constance.

ANSWER: Jan Hus

[20] The first verses of the Bible to be printed in English were created by this man, who was the first retailer of printed English books and exercised a great influence over the development of the early modern language.

ANSWER: William Caxton

021-10-14-01102

3. They depend only on the number of solute particles in a solution.

[5] Name these properties of solutions that include freezing point depression and boiling point elevation.

ANSWER: colligative properties

[10] This colligative property is the gradient that causes hydrostatic pressure across a semipermeable membrane.

ANSWER: osmotic pressure

[15] This quantity represents the number of moles of solute per mole of solid dissolved in a solution.

ANSWER: van't Hoff factor

[20] An equation named for van't Hoff yields the ratio of changes of equilibrium constant to temperature as proportional to a change in this quantity.

ANSWER: enthalpy

032-10-14-01103

4. The Descamisados, who followed Juan Peron, were an important political force in this nation in the 1940s; later, it attempted to seize the Falkland Islands from Britain.

[5] Name this nation, which was led by Carlos Menem from 1989 to 1999.

ANSWER: **Argentina** [or **Argentine** Republic; or República **Argentina**]

[10] This wife of Juan Peron took over for him following his 1974 death, but this woman was then deposed in a military coup in 1976. She was arrested in Spain in 2006 and charged with the disappearance of activist Hector Gallego in 1976.

ANSWER: **Isabel Peron** [do not accept Eva or Evita Peron]

[15] The Mothers of the Plaza de Mayo have demanded to know the whereabouts of family members who were victims of this domestic conflict of 1976 to 1983, in which Argentina's military government disappeared thousands of dissidents and civilians.

ANSWER: **Dirty War** [or **Guerra Sucia**]

[20] This son of Italian immigrants to Argentina was the head of the military government during the invasion of the Falklands, but his political career ended as the standoff with Britain turned disastrous.

ANSWER: Leopoldo **Galtieri**

030-10-14-01104

**THE LETTER B**  
**DOCTORS**  
**THE LETTER "A"**  
**RUSSIA**

THE LETTER B

[10] This theory is opposed to steady state and suggests that the universe suddenly expanded from a dense point over ten million years ago.

ANSWER: **Big Bang Theory**

[10] This type of terrain is composed of sedimentary rock that has been heavily eroded and names a land formation and national park in western South Dakota.

ANSWER: **badlands**

[10] This 17th century Japanese poet was a master of the Haiku who wrote about his travels in *Narrow Road to the Deep North*.

ANSWER: Matsuo **Basho**

[10] This CIA backed 1961 invasion of Cuba by exiled citizens was an early blot on the Kennedy administration.

ANSWER: **Bay of Pigs**

[10] This father of Zetes and Calais was the Greek god of the north wind.

ANSWER: **Boreas**

[10] This gas law states that at a fixed temperature, pressure and volume are inversely proportional.

ANSWER: **Boyle's Law**

[10] This German word for a 'novel of education' refers to coming of age works like Goethe's *Wilhelm Meister* series.

ANSWER: **Bildungsroman**

[10] In his *The Tales of Hoffmann*, Jacques Offenbach included one of these folk songs traditionally sung by the gondoliers of Venice.

ANSWER: **Barcarolles**

[10] Participants in this coming of age ritual for Jewish males are required to memorize portions of the Torah.

ANSWER: **Bar Mitzvah**

[10] This word comes from the German for "lightning war" and is often used to describe the rapid advance of the German army during World War II.

ANSWER: **Blitzkrieg**

015-10-14-0110-3

## DOCTORS

[10] This Sinclair Lewis novel describes the life of an idealistic doctor named Martin.

ANSWER: Arrowsmith

[10] H.G. Wells wrote about this fictional doctor's island, where he performs sinister genetic experiments.

ANSWER: Doctor Moreau

[10] This medical condition occurs when a female is born without a X chromosome, resulting in a broad chest, obesity, and poor breast development.

ANSWER: Turner Syndrome [or Ullrich-Turner Syndrome]

[10] Doctors occasionally use this chemical compound as an anesthetic when performing surgery. It is also known as "laughing gas."

ANSWER: Nitrous Oxide [or N<sub>2</sub>O]

[10] This woman worked as a Civil War nurse and founded the American Red Cross.

ANSWER: Clara Booth

[10] This philosopher was known as Doctor Angelicus and wrote the book *Summa Theologica*.

ANSWER: Thomas Aquinas

[10] A doctor wouldn't help the subject in this painter's work *Burial of Count Orgaz*. He also painted a famous view of Toledo.

ANSWER: El Greco [or Domenikos Theotokopoulos]

[10] This Greek god was associated with healing. He had an oracle at Delphi and had a son named Asclepius.

ANSWER: Apollo

[10] Fictional doctor Addison Montgomery appears in this TV show, a spin-off of *Grey's Anatomy*.

ANSWER: Private Practice

[10] Real-life doctors can be found at this private research clinic, whose most famous location is in Rochester, Minnesota.

ANSWER: Mayo Clinic

052-10-14-0110-3

THE LETTER "A"

[10] This grey-eyed Greek goddess of war and wisdom was born from Zeus's head.

ANSWER: **Athena**

[10] This group of elements has atomic numbers from 90 to 103 and is found below Lanthanides on the periodic table.

ANSWER: **Actinides**

[10] This region of southern Spain is split by the Guadalquivir River and has its capital at Seville.

ANSWER: **Andalusia**

[10] This group of 20th century British authors expressed disillusionment with 1950s British society and included John Osborne and Arnold Wesker.

ANSWER: **Angry Young Men**

[10] This son of Philip II of Macedon won the battles of Hydaspes and Issus and defeated Darius III at Gaugamela.

ANSWER: **Alexander** the Great

[10] This 2009 film featured Ewan McGregor as the Vatican Camerlengo and was a sequel to *The Da Vinci Code*.

ANSWER: **Angels and Demons**

[10] This nitrogenous base is a purine that compliments thymine in DNA and uracil in RNA.

ANSWER: **Adenine**

[10] This Ayn Rand novel features the railroad magnate Dagny Taggart and the mysterious John Galt.

ANSWER: **Atlas Shrugged**

[10] This 1777 document declared that "the Union shall be perpetual" and created a government that passed the Northwest Ordinance, but was replaced by the US Constitution in 1787.

ANSWER: **Articles of Confederation**

[10] The name for this art movement was coined by Robert Coates and it included action painter Jackson Pollack and Dutch painter Wassily Kandinsky.

ANSWER: **Abstract Expressionism**

015-10-14-0110-3

RUSSIA

[10] Starting with Michael, this family provided Russia's tsars.

ANSWER: the **Romanovs**

[10] The Treaty of Portsmouth ended a war between Russia and this country, which won the Battle of Tsushima Straits.

ANSWER: **Japan** [or **Nippon**]

[10] This Hungarian-born author fictionalized Josef Stalin as "Number One" in his novel *Darkness at Noon*.

ANSWER: Arthur **Koestler**

[10] This Czech-born British author told of Lenin's desire to return to Russia as a sideplot in his *Travesties*, and also wrote the play *Rosencranz and Guildenstern Are Dead*.

ANSWER: Tom **Stoppard** [or Tomas **Straussler**]

[10] This Russian musician composed the *Firebird* suite and the ballet *Rite of Spring*.

ANSWER: Igor Fyodorovich **Stravinsky**

[10] Stalin employed this Soviet biologist, who rejected Mendelian genetics.

ANSWER: Trofim Denisovich **Lysenko**

[10] Soviet scientists Ginzburg and Landau created a namesake theory that models this behavior, when materials exhibit no resistance to electrical flow.

ANSWER: **superconductivity**

[10] The first Metropolitan bishop of this city was Cyril II, and others have included Philaret.

ANSWER: **Moscow**

[10] The Neva river flows from this lake to the Gulf of Finland at St. Petersburg.

ANSWER: Lake **Ladoga**

[10] The Slutsky equation relates changes in the Hicksian and Marshallian forms of what economic concept, often contrasted with supply?

ANSWER: **demand**

026-10-14-0110-3

1. This process was first carried out at a BASF plant in Oppau (OP-pow). A temperature and pressure of 800 kelvin and 250 atm (A-T-M) are necessary for this reaction, which formerly used a uranium catalyst but today much more commonly uses enriched magnetite. This process also commonly involves a raw product called synthesis gas, and it is used to create products like fertilizer. For 20 points, identify this chemical procedure that produces ammonia.

ANSWER: **Haber**-Bosch process

032-10-14-01101

2. This vessel was commanded by Charles Sigsbee. One theory regarding this vessel's most famous event considers actions in Bunker A16. This ship was the subject of Hyman Rickover's 1976 investigation that echoed the findings of Del Peral and De Salas that a coal bunker caused its demise. A call to "remember" this vessel was rhymed with "To hell with Spain!" in the "yellow" press following its destruction. For 20 points, name this ship that exploded in Havana harbor in 1898, sparking the Spanish-American War.

ANSWER: the USS **Maine** [prompt on **ACR-1**]

026-10-14-01102

3. This man's wife Dia was the mother of Pirithous (pie-RITH-o-US), though legends differ whether this man or Zeus was the father. This man's horses were seized after he failed to keep his promise of a gift to his wife's father Eioneus, and this man became the first mortal to murder a family member when he cast Eioneus into a pit. This man became father of the Centaurs after making love to the cloud Nephele, which this figure thought was Hera. For 20 points, name this man who was punished by Zeus by being bound to a fiery wheel for eternity.

ANSWER: **Ixion**

030-10-14-01103

4. This man wrote about an enchanted guitar in his novel *Reservation Blues*. "A Drug Called Tradition" is one of a collection of 21 stories set on a Spokane reservation, *The Lone Ranger and Tonto Fistfight in Heaven*. Many of this man's works include members of the Spokane tribe, like the character Thomas Builds-the-Fire. For 20 points, name this Native American author of *The Absolute True Diary of a Part-Time Indian*.

ANSWER: Sherman **Alexie**

032-10-14-01104

5. Lithotripsy is the method of choice for removing these objects, which contain small amounts of mucoprotein (MEW-ko-pro-teen). The largest of them are sometimes known as "staghorn" ones. About fifteen percent of them are composed of magnesium ammonium phosphate, but they are most commonly composed of calcium oxylate (OCKZ-uh-late) and calcium phosphate. They are most noticeable when they end up in the ureter, causing back and groin pain as they "pass." For 20 points, name these hard objects.

ANSWER: **kidney stones**

003-10-14-01105

6. A lamp atop a pedestal can be found near the center of this painting, in which three figures are ascending a staircase in the background. In this work, the inscription "L.D." is marked on a bench, on which sits a follower of the title figure. Another robed follower in this painting is placing his hand on the title figure's knee as he prepares to down the deadly contents of a cup. For 20 points, name this Jacques-Louis David painting in which the title philosopher is pointing his finger upward as he prepares to drink hemlock.

ANSWER: *The **Death of Socrates***

030-10-14-01106

7. This author used a line from Tennyson's "Tithonus" to title his novel in which Dr. Obispo searches for immortality for the Hollywood millionaire Jo Stoyte. In another novel by this author, Helmutz Watson chooses to be exiled to the Falkland Islands, and Lenina Crowne repulses a man born in Malpais by offering to have sex with him. In that novel by this author, Mustapha Mond explains how the World State offers its members pure happiness. For 20 points, name this British author who wrote a dystopian novel about Bernard Marx and John the Savage.

ANSWER: Aldous Leonard **Huxley**

034-10-14-01107

8. This poet noted that "the sky will cave in on" "the man whose soul is flat" in a poem that begins "All I could see from where I stood/ Was three long mountains and a wood," "Renascence." In another of this person's poems, the speaker's "candle burns at both ends" and "gives a lovely light," although it "will not last the night." For 20 points, name this female American poet who included "First Fig" in her book *A Few Figs From Thistles*.

ANSWER: Edna St. Vincent **Millay**

032-10-14-01108

9. Ralph Bagnold's work on the formation of these entities, though written in 1941, is still mostly accurate. Barchans (BAR-chanz) are formed where there is little of their namesake substance, which is made up of particles of diameter between 0.1 and 1.6 millimeters. The most common type of these objects is the crescentic type, which are wider than they are long. Star ones are found in the Namib and Sahara Deserts. For 20 points, name these massive hills composed of a namesake material.

ANSWER: sand **dunes**

003-10-14-01109

10. This city is home to a self-proclaimed seven-star hotel. This city is ruled by the Maktoum family, and the man-made Palm and World Islands are found off the coast of this city. The government of this city has been criticized due to its lax standards for treatment of this city's large guest worker population. In 2006, a company owned by the government of this city controversially attempted to purchase the contracts to operate six United States seaports. For 20 points, name this home of the world's tallest building and largest city in the United Arab Emirates.

ANSWER: **Dubai** [or **Dubayy**]

038-10-14-01110

11. The gamoroi (gah-mo-ROI) government in this polity was broken by the defeat of this city by Hippocrates of Gela. Timoleon's (tih-MOH-lee-ONZ) oligarchy was overthrown by Agathocles here in 317 BCE. This city was defended against the Carthaginians by Dionysius I. It was settled by the Corinthian aristocrat Archias in 734 BCE, and this city's independence declined under the rule of Hieron (HIE-ron) II. For 20 points, name this Sicilian city that was defended against the Romans by the war machines of Archimedes.

ANSWER: **Syracuse** [or **Siracusa**]

030-10-14-01111

12. This man set translations of J.P. Jacobsen poems like "The Song of the Wood Dove" in his *Gurreleider*. [gur-uh-LEED-ur] The "Dance Around the Golden Calf" is one of the songs in his opera *Moses and Aron*. This man composed a work based on a Richard Dehmel poem about a woman's confession to her lover that she is carrying the child of another man, *Transfigured Night*. This man also composed *Pierrot Lunaire*. [peer-OH loo-NAIR] For 20 points, name this composer who developed atonality and serialism, or the twelve-tone method.

ANSWER: Arnold **Schoenberg**

030-10-14-01112

1. This work discusses a group stranded on an island and forced to form a government. This work recommends a ceremony in which a crown is used to demonstrate that "law is king." Titled by Benjamin Rush, this work mentions the absurdity of an island ruling a continent. This work suggests that government is a "necessary evil." Written by the author of *The Rights of Man*, for 10 points, name this pamphlet written in 1776 by Thomas Paine.

ANSWER: *Common Sense*

038-10-14-01131

2. This composer wrote his *Introduction and Rondo Capriccioso* for violinist and orchestra. A massive fugue and forte C major chord for the titular instrument introduce this man's third symphony. Another work by this composer features a solo violin with its E string tuned down a half-step, and that piece's main theme is quoted in the "Fossils" movement of a piece that also contains movements like "Personages with Long Ears" and "The Swan." For 10 points, name this French composer of *Danse Macabre* and *Carnival of the Animals*.

ANSWER: Camille *Saint-Saens*

032-10-14-01132

3. Items that two characters in this book discover in a knot in a tree include figurines carved in soap and mint gum. One character is convicted of rape despite the fact that a withered arm proves he could not have committed the crime, and that man, Tom, is defended by the protagonist's father. The book's title action is declared to be a sin by that man, Atticus. For 10 points, name this book about Scout Finch, a novel by Harper Lee.

ANSWER: *To Kill A Mockingbird*

032-10-14-01133