

1. This author of a campaign biography for Millard Fillmore wrote about Reverend Hooper's refusal to remove sinister headwear in "The Minister's Black Veil." This man included a story about Aylmer killing Georgianna while trying to remove the title blemish in his story collection *Mosses from an Old Manse*. For 10 points name this author of "The Birthmark" also known for novels like *The House of the Seven Gables* and *The Scarlet Letter*.

ANSWER: Nathaniel **Hawthorne**

015-10-14-06101

2. Pahoehoe is produced by many of these geological features, which generally do not generate pyroclastic flows. A fissure in one of these geological features can create a curtain of fire. These features are usually formed through effusive eruptions and have very low-viscosity, fluid lava that can spread over long distances, making some of these features the largest mountains on earth. For 10 points, name these gentle-sloped volcanoes that include Mauna Loa and Kiluaea.

ANSWER: **shield** volcanoes

036-10-14-06102

3. The outer surface of these structures are covered in a material that contains amelogenins (AM-uh-lo-JEN-ins) instead of collagens. Another part of these structures is covered by cementum (see-MEN-tum); that part is the root, whose central part is the pulp. The primary type of these structures are typically lost starting around age six. Enamel covers the upper surface of, for 10 points, what structures used to chew food?

ANSWER: **teeth**

003-10-14-06103

4. This artist depicted disfigured and naked men trying to get into a boat that bears three people in his painting *The Barque of Dante*. In another work, this artist painted an Ottoman on a horse that is rearing above a group of thirteen Greek civilians. This painter of *The Women of Algiers* also created a work in which a man in a top hat participates in a mob that is led by a woman in a Phrygian cap, holding a tricolor flag. For 10 points, name this French Romantic artist who painted *Massacre at Chios* and *Liberty Leading the People*.

ANSWER: Ferdinand Victor Eugene **Delacroix**

036-10-14-06104

5. This element is part of a sandwich compound with two cyclopentadienyl ("SIGH"-klo-PEN-tuh-dye-EEN-uhl) ligands. Nuclear fusion in stars halts at this element, since elements heavier than this require a supernova to form. The form in which this element is typically found, the pig type, has excess carbon removed and metals like chromium added. An ore of this element is hematite, and this element is refined to form steel. For 10 points, name this element with symbol Fe.

ANSWER: **iron** [or **Fe** before mentioned]

022-10-14-06105

6. In *Treasure Mountain*, these creatures held scrolls and asked questions if you caught them with a net. In *Warcraft II*, these creatures gave the human side Destroyers and Archers, and *World of Warcraft* includes "Night" and "Blood" types. For 10 points, name these creatures that are typically depicted with elongated ears and sometimes come in "Wood" or "Dark" varieties.

ANSWER: **elves**

003-10-14-06106

7. This thinker argued that adherence to a "Doctrine of the Mean" between excess and deficiency was the ultimate expression of virtue in his *Nicomachean Ethics*. This thinker outlined the material, formal, efficient, and final causes of nature in one work. This man defined the genre of tragedy and stated that the aim of poetry and art is representation, or mimesis in another work. For 10 points, identify this ancient Greek philosopher, author of *Metaphysics*, *Rhetoric*, and *Poetics*, the most famous student of Plato.

ANSWER: **Aristotles**

005-10-14-06107

8. The title character of this opera sings the aria "Ritorna vincitor" (ree-TOR-nah VEEN-key-tor) about her conflicted loyalties. In this opera, the king Amansro (ah-mah-NAS-roh) is captured while disguised as a peasant. The lead tenor in this opera is engaged to marry Amneris (ahm-NEY-ris), but is instead sealed in a tomb to die. This opera focuses on a princess of Ethiopia who is enslaved by Egypt and falls in love with Radames (RAA-da-meez). For 10 points, name this opera, commissioned to celebrate the opening of the Suez Canal and written by Giuseppe Verdi.

ANSWER: **Aida** (eye-EE-duh)

019-10-14-06108

9. This vitamin enhances iron absorption and is crucial for the synthesis of collagen. Pneumonia as well as colds can supposedly be treated with megadoses of this anti-oxidant vitamin. Deficiency of this vitamin leads to a disease characterized by fragile skin and bleeding gums, scurvy. For 10 points, name this vitamin also called ascorbic (ass-KOR-bic) acid and found in citrus fruits like oranges.

ANSWER: **Vitamin C** [or **ascorbic acid** before mentioned]

032-10-14-06109

10. This author's musically inspired novels include *Napoleon Symphony* and *Mozart and the Wolf Gang*. This twentieth century novelist wrote a book subtitled "A Story of Shakespeare's Love Life" in *Nothing Like the Sun*. One of this man's works focuses on a patron of the Korova Milk Bar. That main character of a work by this man undergoes the Ludovico technique, which causes him to hate Beethoven's Ninth Symphony and abandon ultraviolence. For 10 points, name this man who wrote about Alex DeLarge's droogs in the work *A Clockwork Orange*.

ANSWER: John Anthony **Burgess** Wilson [or Joseph **Kell**]

033-10-14-06110

11. An ion containing this element along with fluorine and oxygen has been predicted stable. In one experiment, the nuclei of this element were fired at a thin layer of gold atoms. Superfluidity has been observed in both its isotopes three and four. This element is the lightest with a full s subshell. Its nuclei are alpha particles. For 10 points, name this gas with atomic number two.

ANSWER: **helium** [or **He**]

022-10-14-06111

12. One poem by this author describes H.P. and a cottage in Berkeley that is still mostly empty. This author wrote about seeing Garcia Lorca by the watermelons in a poem in which he meets Walt Whitman. This author of "Transcription of Organ Music" also wrote "Strange not to think of you, gone without corsets and eyes" in a poem dedicated to his mother Naomi. This author of "A Supermarket in California" wrote the line "I saw the best minds of my generation destroyed by madness" in another poem. For 10 points, name this American Beat poet who wrote "Kaddish" and "Howl."

ANSWER: Irwin Allen **Ginsberg**

036-10-14-06112

13. One theorem named for this man says that if a prime p divides "a times b," then either p divides a or p divides b . The solutions predicted by the Chinese Remainder Theorem can be found using the extended form of this man's namesake algorithm, which finds the greatest common divisor of two numbers. Hyperbolic geometries arise when this man's fifth postulate does not hold. For 10 points, name this Greek mathematician whose treatise on geometry is the *Elements*.

ANSWER: **Euclid**

028-10-14-06113

14. Khuiten Peak is part of the Five Saints Peaks in this nation's section of the Altay Mountains, which form part of the northwestern boundary of this nation. Lake Khovsgol lies near this nation's Khangai Mountains and drains north into the Selenge River. The northern range of the wild Bactrian camel lies in this country, which lies north of Xinjiang and south of Tuva and which also contains the cold Gobi Desert. For 10 points, name this country of steppes with a capital at Ulan Bator that is landlocked between China and Russia.

ANSWER: **Mongolia**

036-10-14-06114

15. This author wrote about a son of Bacchus and Circe who attempts to kidnap The Lady in his masque *Comus*. He penned the phrase "Look homeward Angel now" in his elegy on the death of Edward King. He wrote that "books are not absolutely dead things" in his pamphlet advocating free speech, *Areopagitica* (AIR-ee-oh-pah-JIH-tih-cah). This author is best known for a work that details the construction of Pandemonium and the tempting of Eve. For 10 points, name this British author who wrote about the fall of the rebel angels in his epic poem *Paradise Lost*.

ANSWER: John **Milton**

015-10-14-06115

16. Drugs like mefloquine (ME-flo-kwine) and doxycyclin (DOCKZ-ee-SY-klin) are used prophylactically (PRO-fill-ACT-ic-al-ee) to prevent this disease, which was first treated in the nineteenth century with drugs extracted from cinchona. Resistance to this illness is observed in carriers of another sickle cell anemia. This illness is caused by the destruction of red blood cells by the sporozoite form of a parasite of genus *Plasmodium*. For 10 points, name this disease that is transmitted by the *Anopheles* mosquito and treated with quinine.

ANSWER: **malaria**

032-10-14-06116

17. This President attempted to intervene with Egypt to save Israeli spies behind the Lavon (luh-VAHN) affair. In Operation Blue Bat, this man sent 15,000 troops to Lebanon as part of his namesake "doctrine" to intervene in countries threatened by Communism. This President oversaw the creation of the Interstate Highway System. This man forced the Arkansas National guard to integrate the Little Rock Nine. Before becoming president, this man served as the first Supreme Commander of NATO. For 10 points, name this World War II general and president of the U.S.

ANSWER: Dwight David **Eisenhower** [or Ike **Eisenhower**]

015-10-14-06117

18. In this literary work, the dog Argos recognizes his master although he is disguised as a beggar. Another character in this work, who notices a scar while washing that beggar's feet, is the old nurse Eurycleia (YURR-ick-LAY-uh). The heroine of this work resists her suitors by weaving and unweaving a burial shroud for her father-in-law, Laertes (LAY-ur-teez). The hero of this work is held at Ogygia (oh-JI-jee-uh) by Calypso when the narration begins. For 10 points, what epic, featuring the characters Telemachus (tel-EM-uh-kuss) and Penelope is set after *The Iliad* by Homer?

ANSWER: The **Odyssey**

034-10-14-06118

19. Current lags voltage in these circuit components by ninety degrees. The potential energy stored in one of these devices is equal to "one-half current squared times" a namesake quantity. These devices create a reactance proportional to " 2π times the frequency," causing them to resist the flow of alternating current. These devices often consist of a coiled wire, and Faraday's Law describes how electric current through one of these creates a magnetic field. For 10 points, name these devices which have a namesake property symbolized L and measured in Henries.

ANSWER: **inductors**

028-10-14-06119

20. While serving in this government post, Frank Kellogg sponsored a namesake pact with French foreign minister Aristide Briand (ah-riss-TEED bri-AND). Cyrus Vance opposed a rescue attempt of American hostages while serving in this post. Cordell Hull promoted the Good Neighbor Policy while serving in this post. Dean Rusk defended the Vietnam War while serving in this capacity. William Seward served in this post under Abraham Lincoln. Thomas Jefferson was the first to hold this post. For 10 points, name this government post held by Madeleine Albright and Colin Powell.

ANSWER: United States **Secretary of State**

025-10-14-06120

1. This ruler constructed his capital at Pasargadae and won the Battle of Opis in his campaigns against Nabonidus, a ruler of the Chaldean dynasty. After the Battle of Thymbra, this man defeated the Lydian Empire and took Croesus captive. This ruler also ended the Babylonian Captivity of the Jews, and this father of Cambyses II ended the earlier Median Empire to create an empire which would later be ruled from Persepolis. For 10 points, name this first ruler of Achaemenid (uh-KAI-mun-ihd) Persia.

ANSWER: Cyrus the Great [or Cyrus the Elder or Cyrus II]

036-10-14-06121

2. In one work, this man wrote "Concerning Danger from Foreign Force and Influence." French outrage over one of this man's actions largely led to the Quasi-War. That action by this man consisted of negotiating a treaty with Lord Grenville. This man wrote five of the Federalist Papers. This man's namesake 1794 treaty opened favorable relations with Great Britain. In another role, this man heard the case *Chisolm v. Georgia*. For 10 points, name this first Chief Justice of the Supreme Court.

ANSWER: John Jay

028-10-14-06122

3. A man named Elijah asks this novel's protagonist if he has sold his soul to the devil to work for "Old Thunder." Characters in this novel include a Zoroastrian with a turban made from his own beard, a man named Fedallah. Two Quakers in this novel are named Peleg and Bildad. One character in this work nails a gold piece to the mast and throws his pipe overboard the *Pequod* and is eventually killed by the title creature. This novel begins, "Call me Ishmael." For 10 points, name this novel about Captain Ahab's obsession with a white whale, written by Herman Melville.

ANSWER: Moby-Dick; or, *The Whale*

024-10-14-06123

4. The speaker of this poem asks if the corpse Stetson has planted in a garden has begun to sprout, in a section of this poem set on London Bridge in the "Unreal City." Another section of this poem describes Tiresias as an "old man with wrinkled dugs." That section, "The Fire Sermon," precedes a short section of this poem entitled "Death by Water." Its final section, "What the Thunder Said," ends with a repetition of the Sanskrit word "shantih." For 10 points, name this poem which begins "April is the cruellest month," written by T.S. Eliot.

ANSWER: "The Waste Land"

024-10-14-06124

5. This country was the location of the prison S-21, the site of over 15,000 executions, and Hun Sen was elected prime minister here in 1985. In this nation, the government of Lon Nol was overthrown in 1975, and this country invaded by Vietnam in 1979. For 10 points, name this Southeast Asian nation that was the scene of the "Killing Fields" under the brutal dictatorship of the Khmer Rouge and Pol Pot.

ANSWER: Cambodia

030-10-14-06125

6. After scolding this figure for marrying an Ethiopian, this figure's sister was stricken with leprosy for seven days. This man flung a tree into the water at Marah to make it sweet, and this man's arms were held up by Hur and this man's brother to help his people defeat the Amalekites. This man married a daughter of Jethro of Midian, Zipporah, and trashed the golden calf idol created by his brother, Aaron. For 10 points, name this man who led the Israelites out of Egypt and received the Ten Commandments from God.

ANSWER: Moses [or Moshe; or Musa]

005-10-14-06126

7. A series of poems about these pieces discuss its representation of Zephyr and Boreas fighting while a Shepherd weeps. One part of this work sees a violin represent a shepherd while a viola represents a sheepdog. This collection is part of a larger work that was dedicated to Wenzel von Morzin called *The Contest Between Harmony and Invention*. It is made up of four violin concertos. For 10 points, name this series including "La Primavera" and "L'autunno," composed by Antonio Vivaldi about different times of the year like Winter and Summer.

ANSWER: The ***Four Seasons*** [or *Le Quattro Stagioni*; accept *The Contest Between Harmony and Invention* or *Il Cimento dell'Armonia e dell'invenzione* before "larger work"]

026-10-14-06127

8. His poems include "Bad Roads in Spring," which recounts his abduction by partisans, and he wrote "nothing can avert the final curtain's fall" in his poem "Hamlet." This character was held captive by the cocaine-addicted Liberius and the Forest Brotherhood. At the end of the work in which he appears, this character's brother Evgraf agrees to take care of this character's daughter Tania. For 10 points, name this lover of Lara and a physician, a character created by Boris Pasternak.

ANSWER: Dr. Yuri **Zhivago** [accept Boris **Pasternak** before "This character."]

030-10-14-06128

9. He introduced the Minimalist Program, a variant of the Principles and Parameters model which he formulated earlier. With Morris Halle, a fellow MIT faculty member, he wrote *The Sound Pattern of English*. The sentence "Colorless green ideas sleep furiously" appears in his book *Syntactic Structures*, which set out his theory of transformational grammar. For 10 points, name this champion of Universal Grammar and anarchism, an American linguist.

ANSWER: Noam **Chomsky**

024-10-14-06129

10. A precursor to this proclamation was the Colloquy at Poissy, which was sponsored by Michel de l'Hopital. The Peace of Vervins, signed only a few weeks later, achieved what this decree could not by ending a series of wars which lasted almost forty years. Pope Clement VII opposed this proclamation. This decree established 150 places of refuge, as well as the stronghold of Rochelle. Revoked by Louis XIV through the Edict of Fontainebleau, for 10 points, name this 1598 proclamation by Henry IV that guaranteed religious freedoms for Huguenots in France.

ANSWER: Edict of **Nantes**

035-10-14-06130

1. They originated at the Club Breton at Versailles, and they got their name due to their meeting place in a former Dominican convent.

[5] Name this radical party of the French Revolution that included the Montagnards (mon-ta-NYARS).

ANSWER: **Jacobins** [or **Society of the Friends of the Constitution**; or **Societe des Amis de la Constitution**]

[10] This French nobleman lost popularity when his guards shot demonstrators at the Champ de Mars (SHAMP duh MARS) in 1791, and he also helped overthrow Charles X. This Frenchman also played a role in the American Revolution.

ANSWER: Marie-Joseph-Paul-Yves-Roch-Gilbert du Motier, Marquis de **Lafayette**

[15] This moderate opposition party to the Jacobins had many members from a namesake state in France, and this group was led by Jacques-Pierre Brissot (bree-SOH).

ANSWER: **Girondins** [or **Girondists**]

[20] Among the victims of the Jacobin "Reign of Terror" was this feminist, who responded to the Revolution's "Declaration of the Rights of Man" by writing the "Declaration of the Rights of Woman."

ANSWER: Olympe **de Gouges**

030-10-14-06101

2. Along with the fourth power of charge, this property appears in the numerator of the formula for the Rydberg (RID-burg) constant.

[5] What is this property, which, for a mole of carbon-12, has a value of twelve grams?

ANSWER: **mass**

[10] The mass defect, or missing mass between the value of a nucleus's constituents and the assembled nucleus, is due to conversion of mass into this energy needed to assemble or break apart a nucleus.

ANSWER: **binding** energy

[15] Often measured in Giga-electron-volts, this specific form of mass is used to denote the mass of a particle undergoing no relativistic effects which may change its mass.

ANSWER: **rest** mass

[20] The most tightly bound nucleus is found in the 62 isotope of this element, which is an end product in supernova burning and other related nuclear processes in the universe.

ANSWER: **nickel**

003-10-14-06102

3. This poem describes how "slimy things did crawl with legs upon the slimy sea."

[5] Name this poem, whose title character relates a tale about an albatross to a wedding guest.

ANSWER: "The **Rime of the Ancient Mariner**"

[10] This author of "The Rime of the Ancient Mariner" and "Kubla Khan" described his "pensive Sara!" in his poem "The Aeolian Harp."

ANSWER: Samuel Taylor **Coleridge**

[15] Samuel Taylor Coleridge and William Wordsworth collaborated on this poetry collection, which includes "The Rime of the Ancient Mariner" and "Tintern Abbey."

ANSWER: **Lyrical Ballads**, with a Few Other Poems

[20] This set of Wordsworth poems, including "Strange Fits of Passion Have I Known" and "She Dwelt Among the Untrodden Ways," is named for their common female subject, who may be based on Wordsworth's sister Dorothy.

ANSWER: the **Lucy** poems

033-10-14-06103

4. This poem describes the title entity as "Bragging and laughing that under his wrist, is the pulse."
[5] Name this poem that calls the title city "Hog Butcher, Tool Maker, Stacker of Wheat, Player with Railroads, and Freight Handler to the Nation."

ANSWER: "**Chicago**"

[10] This author of the *Rootabaga Stories* wrote "Chicago." He also wrote a poem called "Fog," which he claims comes on "little cat feet."

ANSWER: Carl **Sandburg**

[15] Carl Sandburg wrote a biography of this American, subtitled "The War Years." He is also the subject of another author's poem "When Lilacs Last in the Dooryard Bloomed."

ANSWER: Abraham **Lincoln**

[20] Name the author of "General William Booth Enters Into Heaven" who described Lincoln pacing back and forth in front of the Springfield courthouse in "Abraham Lincoln Walks at Midnight."

ANSWER: Vachel **Lindsay**

033-10-14-06104

BEEES
BUTTERFLIES
SPIDERS
ANTS

BEES

[10] A bloodless territorial dispute called the Honey War was fought over the northern border of this state, the home of Thomas Hart Benton.

ANSWER: **Missouri**

[10] The Bees of Childeric inspired the Fleur de Lis of this French emperor who lost the Battle of Waterloo.

ANSWER: **Napoleon Bonaparte** [or **Napoleon I**; prompt on **Napoleon**; prompt on **Bonaparte**]

[10] This "Poet of the American Revolution" wrote poems like "The Indian Burying Ground" and "The Wild Honey-Bee."

ANSWER: Philip **Freneau**

[10] This John Keats poem includes "later flowers for the bees" and is dedicated to a "season of mists and mellow fruitfulness."

ANSWER: "**To Autumn**"

[10] Honey bees do a "waggle" form of this action to communicate with one another.

ANSWER: **dancing** [accept word forms or reasonable equivalents]

[10] "Colony collapse disorder" among bees may be caused by the "Israel acute paralysis" kind of this type of infectious agent, the first-discovered of which was the tobacco mosaic one.

ANSWER: **viruses** [or **virii**]

[10] Odysseus's men shoved beeswax in their ears to escape the fateful songs of these mythical beings who lured sailors to their deaths.

ANSWER: **sirens**

[10] Bernard Mandeville's *Fable of the Bees* was a foundational text in this field of social science, whose other notable thinkers included Wassily Leontief and David Ricardo.

ANSWER: **economics**

[10] The Angels' triple-A affiliate, called the "Bees," is based in this city, which is also home to the NBA's EnergySolutions Arena.

ANSWER: **Salt Lake** City

[10] This sculptor of the *Fountain of the Bees* also sculpted *The Ecstasy of Saint Teresa*.

ANSWER: Gian Lorenzo **Bernini**

026-10-14-0610-3

BUTTERFLIES

[10] This author of *Lolita* and *Pale Fire* liked collecting butterflies.

ANSWER: Vladimir **Nabokov**

[10] This ancient Chinese philosophy is associated with Zhuangzi and Lao Tzu, the latter of which dreamed he was a butterfly and did not know if it was the butterfly who dreamed him or he dreamed the butterfly.

ANSWER: **Taoism** [or **Daoism**]

[10] The butterfly effect can be seen in this branch of mathematics that studies systems where small changes can have large effects.

ANSWER: **chaos** theory

[10] The butterfly effect can literally be seen in *A Sound of Thunder*, a work by this author of *Fahrenheit 451*.

ANSWER: Ray Douglas **Bradbury**

[10] Butterfly diagrams can be used to study the patterns of occurrence of these reduced temperature areas of the sun.

ANSWER: **sun spots**

[10] This artist signed some of his paintings with a butterfly. He is known for *Arrangement in Gray and Black: Portrait of the Artist's Mother*.

ANSWER: James Abbott McNeill **Whistler**

[10] This is the only U.S. state where the Dark Kite-Swallowtail can be found. It was the location of the Battle of San Jacinto.

ANSWER: **Texas**

[10] "Love Is Like a Butterfly" is a song by this singer who has a namesake amusement park in Pigeon Forge, Tennessee.

ANSWER: Dolly **Parton**

[10] This word beginning with c is the pupal stage of a butterfly.

ANSWER: **chrysalis**

[10] This poet made a cardboard butterfly. He is better known for "'Song of Myself" found in *Leaves of Grass*.

ANSWER: Walt **Whitman**

001-10-14-0610-3

SPIDERS

[10] This weaver from Greek mythology challenged Athena and was turned into a spider.

ANSWER: **Arachne**

[10] This French king, the son of Charles VII, was known as the spider king and helped strengthen and unify France.

ANSWER: **Louis XI** [prompt on **Louis**]

[10] *The Path to the Nest of Spiders* is by this Italian author of *If on a winter night a traveler* and *Invisible Cities*.

ANSWER: Italo **Calvino**

[10] This intermolecular force is partially responsible for the strength of spider silk via the formation of beta sheets. It is also responsible for many of the properties of water.

ANSWER: **hydrogen bonds**

[10] One possibly apocryphal story about this man said that the seventh attempt of a spider to spin a web gave him hope. This king of the Scots won independence from England.

ANSWER: **Robert I** [or **Robert** the Bruce]

[10] Spiders and insects are found in this phylum.

ANSWER: **arthropoda** [or **arthropods**]

[10] *The Kiss of the Spider Woman* is a novel by Manuel Puig, an author from this country also home to Borges.

ANSWER: **Argentina**

[10] *Spider* is a mobile by this American artist of *Lobster Trap and Fish Tail* .

ANSWER: Alexander **Calder**

[10] This thinker in his *Novum Organum* used a metaphor of ants, spiders, and bees to distinguish different intellectuals' ways of thinking.

ANSWER: **Francis Bacon**

[10] In this television franchise, a race called the replicators consists of mechanical spiders made out of computerized blocks.

ANSWER: **Stargate** [or **Stargate SG-1**]

001-10-14-0610-3

ANTS

[10] These brave warriors were commanded by Achilles, and sprung up from ants after a terrible plague killed off the subjects of King Aeacus of Aegina.

ANSWER: the **Myrmidons**

[10] This simplest carboxylic acid, also known as methanoic acid, was first isolated from distilling a colony of ants.

ANSWER: **formic** acid

[10] Ants have this form of highly regimented social structure in which generations overlap, the young are cared for cooperatively, and reproductive responsibilities are divided.

ANSWER: **eusocial** [or **eusociality**; prompt on **kin selection**; prompt on **altruism**]

[10] "The Grasshopper and the Ant" and "The Fox and the Grapes" are two of the fables attributed to this Greek.

ANSWER: **Aesop**

[10] This author told of Babe Gladwaller being bitten by an ant in a German foxhole in his short story "A Boy in France," and also wrote the *Nine Stories* and told of the Glass family in *Franny and Zooey*.

ANSWER: Jerome David **Salinger**

[10] A fight between red and black ants is one of the observations made by Henry David Thoreau in this book, written in a cabin in the Massachusetts wilderness.

ANSWER: **Walden**

[10] This director collaborated with Salvador Dali on a film that shows a severed head swarmed with ants and an eyeball being sliced by a razor, *Un Chien Andalou*.

ANSWER: Luis **Buñuel** Portoles

[10] British Prime Minister Anthony Eden presided during a "crisis" involving this Egyptian waterway.

ANSWER: the **Suez** canal

[10] This "Mad" American general defeated Blue Jacket and Little Turtle and won the battle of Fallen Timbers.

ANSWER: "Mad" Anthony **Wayne**

[10] This punk band contributed "Bug Bytes" to the *Spiderman* soundtrack, and is probably best-known for their cover of Michael Jackson's "Smooth Criminal."

ANSWER: **Alien Ant Farm**

026-10-14-0610-3

1. This technique's strong form allows for the formula in question to work for not only for some n equal to k , but n less than k . This tool works by first proving a base case, then showing that if a formula works for some number n , then it works for " $n+1$." It is very similar to recursion. This mathematical proof technique shares its name with a type of logic moving from cases to a general conclusion. For 20 points, name this proof technique.

ANSWER: **induction** or **inductive**

033-10-14-06101

2. This treaty provided for one side to settle more than three million dollars in debts. After the initial failure of the Wilmot Proviso, the Senate also voted down an attempt to attach that Proviso to this treaty. Nicholas Trist was the chief negotiator of this treaty. This treaty included the American government paying fifteen million dollars for a land transfer. This treaty established a boundary at the Rio Grande river. Through this treaty, America gained control of California. For 20 points, name this treaty that ended the Mexican-American War.

ANSWER: Treaty of **Guadalupe Hidalgo**

028-10-14-06102

3. The protagonist of this play is annoyed to see the anemic Bernard succeed with the help of Charley. One character in this play stops attending a summer remedial math class after discovering his father having an affair in Boston. Another character in this play has visions of his brother Ben returning from the jungle and discovering diamonds. For 20 points, what play ends with the title character stepping in front of a car to enable his wife Linda to collect insurance money?

ANSWER: **Death of a Salesman**

004-10-14-06103

4. A piano opens with a tone row in octaves in this composer's Violin Sonata. This composer set Yevtushenko's poetry to the five movements of his Thirteenth Symphony, which commemorates the massacre of the Jews at Babi Yar. Critics accused this composer of making his ninth symphony too light-hearted. A march-like ostinato forms the invasion theme of this composer's seventh symphony, written around the Nazi attack of Russia. For 20 points, name this Soviet composer who feuded with Stalin and wrote the Leningrad Symphony.

ANSWER: Dmitri Dmitriyevich **Shostakovich**

036-10-14-06104

5. The central character of this novel is first influenced by the wandering Samanas. Later in this novel, that character is influenced by the merchant Kamaswami and the courtesan Kamala. The protagonist of this novel eventually accomplishes inner peace by listening to the sound of a river and hearing the word "Om." During this novel, Govinda becomes a disciple of Gotama, the Buddha. For 20 points, name this novel by Hermann Hesse.

ANSWER: **Siddhartha**

020-10-14-06105

6. This country's Porkkala (pohr-KAH-lah) base was returned in 1955, and Risto Ryti (RIH-sto RYE-tee) formed a coalition government in this nation following an invasion. General K.M. Wallenius (vah-LAYN-ee-us) led a fascist movement in this nation. Kaarlo Stahlberg was its first president. This country faced a civil war between Red and White factions in 1918, and the Mannerheim Line was a fortification against this nation's eastern neighbor. For 20 points, name this country that fought the Winter War against the Soviet Union.

ANSWER: **Finland**

030-10-14-06106

7. This man's "The Last Instructions to a Painter" is a verse satire on the Dutch War, and he wrote extended conceits in such lyric poems as "A Dialogue between Body and Soul." Another poem by this author imagines finding rubies by the Ganges, and claims that the speaker's "vegetable love" will grow "vaster than empires, and more slow." That poem by this author states that "I always hear time's winged chariot drawing near" in urging a woman to consummate her love. For 20 points, which metaphysical poet wished for "world enough and time" in his poem "To His Coy Mistress?"

ANSWER: Andrew **Marvell**

045-10-14-06107

8. This figure is depicted with the Damaru drum when represented as Nataraja, the Lord of Dance. When the serpent Vasuki polluted the world during the churning of the ocean, this deity drank up its poison, which turned his throat blue. The consort of this god has several forms, such as the lion-riding Durga and the mountain goddess Parvati. His third eye burns own the world when it is opened. For 10 points, name this member of the Hindu Trimurti.

ANSWER: **Shiva**

034-10-14-06108

9. This man proposed the "Epigenetic principle" that dictates our development through resolving crises such as learning to trust or mistrust as an infant. One of this man's works analyzes how a man was able to grow enough to be comfortable starting the Reformation. Another of his psychohistories analyzes "The origins of Militant Nonviolence" by studying an Indian pacifist. This author of *Young Man Luther* and *Gandhi's Truth* created the eight stages of psychosocial development. For 20 points, name this psychologist who coined the term "identity crisis."

ANSWER: Erik Homburger **Erikson**

027-10-14-06109

10. The splitting of sets of one type of these objects is the subject of ligand field theory, and that type being partially filled defines the properties of the transition metals. The linear combination of these entities can generate molecular ones. By the Pauli Exclusion Principle, these entities can contain at most two electrons. For 20 points, name these mathematical descriptions of the location of electrons in an atom.

ANSWER: **atomic orbital** [prompt on **orbital**; do not accept or prompt on "molecular orbital"]

022-10-14-06110

11. This island's Baliem Valley is home to the Dani people. The Bismarck Range in the eastern part of this island contains Mount Wilhelm. Lorentz National Park, which can be found on this island, contains the Asmat Swamp. This island's Puncak Jaya is the highest island peak in the world. Port Moresby is the capital of a nation found entirely on this island; the western part of this island is the province of Irian Jaya. For 20 points, name this second largest island in the world, which is split between Indonesia and an independent country.

ANSWER: **New Guinea** [do not accept "Papua New Guinea"]

036-10-14-06111

12. When "pellucidum" (puh-LOO-si-dum) is appended to this word, it describes a brain structure that runs from the corpus callosum (KOR-pus kuh-LOSS-um) to the fornix. A defect of another structure with this name allows blood to pass from the left to right atrium. Another structure with this name can potentially deviate enough to cause abnormal breathing. For 20 points, give this term whose plural refers to the cross walls in fungi.

ANSWER: septum [or septa]

003-10-14-06112

1. Peter Shor developed an algorithm that does activity, which would nullify RSA's usefulness; that algorithm performs in polynomial time. The Gauss-Jordan method can be used in part to perform the "LU" type of this. For 10 points, name this activity that can be done on a polynomial with a perfect square discriminant, which for the number 49 would produce 7 and 7.

ANSWER: **factorization** (accept word forms)

033-10-14-06131

2. This ruler's minister Count Wenzel Anton von Kaunitz helped conduct the Diplomatic Revolution, which led to this leader becoming allied to France's Louis XV. That alliance came after this ruler lost a war in which the Battle of Mollwitz was fought and Silesia was ceded to Prussia, the War of the Austrian Succession. That war centered on this ruler's succeeding Charles VI to the throne. For 10 points, name this woman who fought two wars against Frederick the Great, the empress of Austria whose rule was guaranteed by the Pragmatic Sanction.

ANSWER: **Maria Theresa** of Austria

023-10-14-06132

3. Debussy wrote three pieces of this form titled "Clouds," "Festivals," and "Sirens" for orchestra and female choir. Chopin uses a rounded binary form to gradually embellish on two simple themes in his Opus 9 No. 2, a piece in E-flat written in this form. Pieces of this popular Romantic Era form convey atmosphere rather than developing themes, and this form of music was first developed by John Field. For 10 points, name this form of music that creates a mood of night.

ANSWER: **Nocturne**

036-10-14-06133