

1. **This figure's uncle was warned to beware a man with only one sandal, which made Pelias surrender out of fear when this man appeared to claim the throne of Iolcus. This man's wife convinced the daughters of Pelias to cut up their father, and that wife (*) poisoned this hero's lover Glauce (GLAO-kay). This man sowed dragon's teeth at the command of king Aeetes, and his crew was saved from death by his wife Medea. For 10 points, name this Greek hero who was head of the Argonauts as part of his quest for the Golden Fleece.**

ANSWER: **Jason**

027-09-11-02102

2. **This author contrasted how the Indian caste system prevented the creation of an urban elite with messianic Judaism in his works *The Religion of India* and *Ancient Judaism*. This thinker defined governments as having a monopoly on force in *Politics as a Vocation*, but is best known for a work which quoted Ben Franklin's belief that time is (*) money. For 10 points each, name this German sociologist who studied the effect of Calvinism on economic development in *The Protestant Ethic and the Spirit of Capitalism*.**

ANSWER: Max **Weber** (VAY-ber)

059-09-11-02103

3. **Ménétrier disease results in changes to this organ. The Fundic glands in this organ includes parietal cells which secrete important chemicals to this organs function. This organ has folds called rugae (ROO-gay) and is home to Helicobacter (*) pylori. Gizzards are an example of this organ, and ruminants such as cows have four. The pyloric sphincter controls flow from this organ to the small intestine and the esophagus empties into it. For 10 points, name this acidic organ that breaks down food using acid.**

ANSWER: **stomach**

001-09-11-02104

4. **This conflict saw the French capture Bergen op Zoom, and the treaty that ended it led to the formation of the Quintuple Alliance. The Siege of Louisbourg occurred in the North American theater of this conflict, King (*) George's War. This conflict began with the invasion of Silesia after Frederick II of Prussia broke the Pragmatic Sanction of 1713. For 10 points, name this conflict that ended with the Treaty of Aix-la-Chappelle and allowed Maria Theresa to ascend to the throne following the death of Charles VI.**

ANSWER: War of the **Austrian Succession** [prompt on **King George's War** before mention]

032-09-11-02105

5. **This man attacked the unwillingness of recusants to swear allegiance in his tract *Pseudo-Martyr*. He wrote a collection of poems commemorating the death of Elizabeth Drury, including "Of the Progress of the Soul." He man wrote, "Thy firmness makes my circle just..." in a poem comparing lovers to a (*) compass. This man stated that killing the title creature was "cruel and sudden" in another of his poems because the blood of two lovers was mixed within that animal. For 10 points, name this English poet of "Valediction: Forbidding Mourning" and "The Flea."**

ANSWER: John **Donne**

030-09-11-02106

6. After the fall of this empire, its successor state of Trebizond remained unconquered for another eight years. One ruler of this state, the "Armenian," restored a policy that flourished under its Isaurian Dynasty, which saw the governance of Irene. Strong emperors of this state included Michael VIII (*) Paleologos, Heraclius, and one that enjoyed gouging out the eyes of enemy Bulgars. In the 8th and 9th centuries, this empire was swept by iconoclasm. The Fourth Crusade saw an invasion of, for 10 points, what empire ruled by Justinian and based in Constantinople?

ANSWER: Byzantine Empire [or Eastern Roman Empire; do not accept or prompt on "Roman Empire"]

020-09-11-02107

7. This author wrote about a character who is forced to become a window cleaner after publishing an article about Oedipus. In that novel, the protagonists own a dog that dies of cancer, named Karenin. Franz and (*) Sabina are characters created by this author in a novel whose protagonists die when they are crushed while changing a tire. In a novel featuring Tomas and Teresa, this author wrote about a female photographer taking pictures of tanks rolling in to crush the Prague Spring. For 10 points, name this Czech author of *The Unbearable Lightness of Being*.

ANSWER: Milan Kundera

026-09-11-02108

8. One player with this surname was selected with the eighth pick after the team that selected him failed to turn in the seventh pick in time, allowing the Panthers to draft Jordan Gross. Two players with this surname successfully blocked their suspensions after taking a banned substance called "StarCaps." A nose tackle with this surname signed with the (*) Vikings as a free agent after playing for the Buffalo Bills, and is known as "Fat Pat." For 10 points, identify this surname of Pat and Kevin, a namesake "wall" of defensive tackles for Minnesota.

ANSWER: Williams

026-09-11-02109

9. One quantity with this appellation is equal to q one times q two over four pi times the electric constant times the radius. Crucial to defining another quantity known by this name for a system is the zero point. Systems based on conservative forces always have this property. Force is equal to the negative (*) derivative of this quantity with respect to position. For gravity, this is equal to mgh . For 10 points, name this term that denotes a form of energy that results from position within a force field, an example of which is that of a rock at the top of a hill.

ANSWER: potential energy

001-09-11-02110

10. In one work by this painter, a satyr's head is covered by a large helmet, while three other satyrs play with war equipments around Venus and Mars. His only signed work features rocky walls and a path zigzagging below a roof and a circle of dancing angels. That painting, influenced by (*) Savonarola, is *The Mystical Nativity*. His most famous work, collected in the Uffizi Gallery, features Zephyr carrying Chloris and blowing the title character standing on a shell. For 10 points, what "Little Barrel" painted *Primavera* and *The Birth of Venus*?

ANSWER: Sandro Botticelli

034-09-11-02111

11. Colonists in what became this state settled its first capital after sailing on a fleet commanded by Christopher Newport. The colony here was governed by William Berkeley until 1677, when he was recalled due to (*) Bacon's rebellion. During a meeting in this state, Patrick Henry proclaimed "Give me liberty or give me death!" The House of Burgesses served as this colony's legislature and met in Williamsburg. During the civil war, the confederacy moved its capital to Richmond in this state. For 10 points, name this state, home to the Jamestown colony.

ANSWER: Virginia

027-09-11-02112

12. In this opera, "Nous avons en tete (nooz ah-VON ahn tet) une affaire" is sung by the smugglers Dancaire and Remendado. Its main character sees her death in tarot cards. This opera is based on a novel by Prosper (*) Merimee (may ri MAY). Don Jose loves the title cigarette factory worker, and Escamillo (es-cuh-MEE-yo) sings the "Toreador Song," in this opera. For 10 points, name this opera about the title gypsy girl who sings an "habanera," a work by Georges Bizet (bi-ZAY).

ANSWER: Carmen

030-09-11-02113

13. The speaker of one poem in this collection prefers to look "up in perfect silence at the stars." Aside from "When I Heard the (*) Learn'd Astronomer," poems in this collection include "Out of the Cradle Endlessly Rocking" and a long poem whose speaker sounds his "barbaric yawp over the roofs of the world," "Song of Myself." Several of this collection's poems paid tribute to Abraham Lincoln, including "O Captain! My Captain!" For 10 points, name this 1855 poetry collection by Walt Whitman.

ANSWER: Leaves of Grass

024-09-11-02114

14. In one of this director's films, a psychologist travels to Lund to receive an honorary degree and recalls his childhood lover Sara, whom he associates with a patch of plants. Besides that movie about Isak Berg, this director created a movie starring Max von Sydow in which the knight Antonius Block must play (*) chess for his life with Death. That movie is titled for an object which is opened in the Book of Revelation. For 10 points, name this Swedish director of *Wild Strawberries* and *The Seventh Seal*.

ANSWER: Ernst Ingmar Bergman

022-09-11-02115

15. John Dower examined the aftermath of this event in his works. An attempted coup occurred after this event in the Kyujo (Q-Joe) Incident. The person responsible for it gave the Jewel Voice Broadcast and used the phrase "endure the unendurable." Documents formalizing it were signed on September 2nd on the (*) USS *Missouri*, although the Postdam Declaration was accepted earlier. Following this event, GHQ was established by Douglas MacArthur. For 10 points, what event occurred when Hirohito accepted the defeat of his nation in World War II?

ANSWER: the surrender of Japan in World War II [accept obvious equivalents, including Victory in Japan Day and V-J Day]

034-09-11-02116

16. This process can be undertaken by two parties with no prior knowledge of one another using the Diffie-Hellman protocol. One algorithm for doing this relies on taking the Euler totient (toh SHUNT) function of the product of p and q. The difficulty of prime factorization is central to the (*) RSA algorithm for doing this process. The information transmitted via this process is called "plaintext," and the algorithms that do it are called "ciphers." For 10 points, name this process by which information is made unreadable except by those possessing a "key."

ANSWER: encryption [or cryptography or word forms; prompt on encoding]

026-09-11-02117

17. This country was known as Pannonia by the ancient Romans, and it is populated by the descendants of a Khazar group. Its capital once consisted of two separate cities separated by the Danube, the names of which combined to form its new name. This nation is northeast of (*) Croatia, south of Slovakia, and northwest of Romania. For 10 points, name this Central European country, once part of the Dual Monarchy with Austria, with capital at Budapest.

ANSWER: Hungary

059-09-11-02118

18. This figure was buried in Shechem on land that his father obtained from Hamor's family. His two sons, Mannaseh and Ephraim, who were given shares in their grandfather's inheritance. While in prison, this man counseled a baker and a cupbearer, and he suggested the building of storehouses to alleviate the famine predicted in the (*) Pharaoh's dreams about skinny and fat cows. For 10 points, name this Biblical son of Jacob who relocated the Israelites to Egypt and had a multicolored coat.

ANSWER: Joseph [or Yoseif; or Yusuf]

005-09-11-02119

19. In one novel by this author, the protagonist travels to the Ajanta Caves, where he remembers a promise to see a figure beneath the falls. That figure bears three moles on his torso and dies after failing to see Satoko. This author wrote about a failed capitalist plot in *Runaway Horses*, whose protagonist believes Toru and Ying Chan to be reincarnations of his friend Kiyooki. This author wrote those novels about lawyer Shigekuni Honda. For 10 points, name this (*) Japanese author of *The Sea of Fertility*, who committed seppuku on television.

ANSWER: Mishima Yukio [or Hiraoka Kimitake; power mark continues despite the "For 10 points, " so award 15 if someone buzzes on the giveaway]

020-09-11-02120

20. This process can be performed by a continuous-feed or pot-type system. One type of this technique requires a water aspirator, mechanical pump, and diffusion pump; that technique is performed at low pressures and known as the "vacuum" type. (*) Azeotropes are mixtures of liquids that cannot be further separated using the fractional form of this technique, because the liquid that goes through the condenser has the same composition as the liquid that is evaporated. For 10 points, name this method of separating liquids in a mixture by their boiling points.

ANSWER: distillation

003-09-11-02121

21. A case connected to this event, which established Congress's right to compel testimony, was *McGrain v. Daugherty*. Investigation into this event was begun by John Kendrick, supported by Robert M. La Follette, and led by Senator Thomas Walsh. This event saw property at (*) Elk Hills leased to Edward Doheny and some namesake property leased to Harry Sinclair by Albert Fall. For 10 points, name this scandal during the administration of Warren G. Harding, named for a Wyoming oil field.

ANSWER: Teapot Dome scandal

022-09-11-02122

1. Name some American faults, for 10 points each.

[10] This fault is home to the SAFOD observatory drilling project in Parkfield. Movement along this transform fault caused the 1906 San Francisco earthquake.

ANSWER: **San Andreas** Fault

[10] The largest intraplate earthquake in recent history occurred in 1811-12 at the New Madrid Fault, which is located near the "bootheel" of this state whose capital is Jefferson City.

ANSWER: **Missouri** [or **MO**]

[10] The 2001 Nisqually Earthquake took place along a fault outside of this major metropolis, which damaged its Pioneer Square neighborhood but didn't harm the Pike Place Market.

ANSWER: **Seattle**, Washington

026-09-11-02201

2. He is proud to be called an ass, and his numerical listings of offenses are often out of order. For 10 points each:

[10] Name this constable, the chief of the civilian-police force in Messina.

ANSWER: **Dogberry**

[10] Dogberry appears in this Shakespeare play centered on Claudio and Hero, who are to be married in a week.

ANSWER: **Much Ado About Nothing**

[10] In *Much Ado About Nothing*, Claudio and Hero plot with this prince of Aragon to make their friends Beatrice and Benedick confess their love for each other.

ANSWER: Don **Pedro**

040-09-11-02202

3. This painting style was used to depict Apollo flaying Marsyas by Jusepe de Ribera. For 10 points each:

[10] Name this painting style that was also used to depict *The Calling of Saint Matthew*, which contrasts extreme areas of light and dark.

ANSWER: **chiaroscuro** [accept **tenebrism** or word forms thereof]

[10] *The Calling of Saint Matthew* is by this tenebrist painter of *Boy With a Basket of Fruit*

ANSWER: Michelangelo Merisi da **Caravaggio**

[10] Like his namesake, Michelangelo, Caravaggio did much of his work in this city, home to the Sistine Chapel.

ANSWER: **Rome** [accept **Vatican** City]

059-09-11-02203

4. This man was readmitted to the Catholic church after doing penance before Gregory VII. For 10 points each:

[10] Name this Holy Roman emperor who was at the center of the Investiture Controversy.

ANSWER: **Henry IV**

[10] Henry IV received absolution from Pope Gregory VII after waiting three days outside of this Italian castle, where Gregory was staying as a guest of Countess Matilda.

ANSWER: **Canossa**

[10] The Investiture Controversy was settled by this 1122 compromise between Calixtus II and Henry V at the namesake German city. This agreement made a distinction between the ecclesiastical and governmental function of a prelate's office.

ANSWER: Concordat of **Worms**

030-09-11-02204

5. One hypothesis states that it acidifies the cell wall and activates expansins. For 10 points each:
[10] Agent Orange is a synthetic form of what plant hormone that promotes apical dominance and elongation?

ANSWER: **auxin**

[10] Auxins account for this phenomenon, exhibited by sunflowers, in which the plant adjusts its direction of growth to receive more light.

ANSWER: **phototropism**

[10] Another plant hormone is this inhibitor that controls the opening and closure of the stomata and induces dormancy.

ANSWER: **abscisic acid** [accept **abscisin II** or **dormin**]

034-09-11-02205

6. This god helped drive the Amazons from Samos, and while voyaging to his holy island of Naxos, Tyrrhenian pirates tried to sell him into slavery. For 10 points each:

[10] Name this Greek god of wine.

ANSWER: **Dionysus** [or **Bacchus**]

[10] Dionysus was the son of Zeus and Semele, who died after being tricked by this jealous wife of Zeus into seeing Zeus's thunderbolt.

ANSWER: **Hera**

[10] In some myths, Dionysus fell in love with this woman, who had been stranded on Naxos. Earlier, she had given Theseus a string to help him navigate the Minoan labyrinth.

ANSWER: **Ariadne**

027-09-11-02206

7. They were originally published as "Original Melodies for the Pianoforte." For 10 points each:

[10] Name this set of solo piano works consisting of 8 books, each of which contains 6 pieces.

ANSWER: **Songs Without Words**

[10] This composer of *Songs Without Words* also produced the *Reformation Symphony*.

ANSWER: Felix **Mendelssohn**

[10] Mendelssohn may be best known today for incidental music, including his wedding march, for this Shakespeare play. His overture to this play depicts Bottom's head turning into a donkey's.

ANSWER: A **Midsummer Night's Dream**

040-09-11-02207

8. She weaves and unweaves a burial shroud each day. For 10 points each:

[10] What character also demands that her suitors string a bow and shoot an arrow through twelve axes in order to avoid marriage?

ANSWER: **Penelope**

[10] Penelope is faithful to her husband in this literary work, whose first few books involve the adventures of Telemachus. It ends when the rightful ruler of Ithaca is restored.

ANSWER: *The* **Odyssey**

[10] *The Odyssey*, like *The Iliad*, is an epic attributed to this blind Greek poet.

ANSWER: **Homer**

034-09-11-02208

9. The Schrodinger equation describes their time evolution. For 10 points each:

[10] Name these complex vectors or functions that probabilistically describe the location or state of motion of particles in a given physical system.

ANSWER: **wavefunctions**

[10] This interpretation of quantum mechanics named for a Danish city holds that measuring particle location or state of motion causes "wavefunction collapse."

ANSWER: **Copenhagen** interpretation

[10] This Danish physicist and originator of the complementarity principle promulgated the Copenhagen interpretation. He also proposed an atomic model that called for discrete energy levels at which electrons can orbit.

ANSWER: Niels **Bohr**

032-09-11-02209

10. Identify the following early Roman Emperors, for 10 points each:

[10] This emperor guaranteed the Briton Caractacus clemency, took a census, and built roads and canals, but met his demise in 54 as Locusta and Agrippina poisoned him.

ANSWER: Tiberius **Claudius** Caesar Nero Drusus Augustus Germanicus

[10] This emperor enjoyed dressing up as Hercules and Apollo, building large ships in Lake Nemi, and appointing horses such as Incitatus to positions like consul.

ANSWER: **Caligula** [or Gaius Julius Caesar Augustus **Germanicus**]

[10] The poet Lucan committed suicide as a result of the foiling of the Pisonian Conspiracy against this Emperor, who presided over persecution of Christians and a Great Fire in Rome.

ANSWER: **Nero** Claudius Caesar Drusus Augustus Germanicus [or Lucius Domitius **Ahenobarbus**]

020-09-11-02210

11. It was sculpted on a South Dakota site known to the Sioux as the Six Grandfathers. For 10 points each:

[10] Name this gigantic granite depiction of George Washington, Thomas Jefferson, Theodore Roosevelt, and Abraham Lincoln.

ANSWER: **Mount Rushmore** National Memorial

[10] This American sculptor of Danish descent sculpted Mount Rushmore.

ANSWER: Gutzon de la Mothe **Borglum**

[10] The giant statue of Lincoln found within the Lincoln Monument was sculpted by this American sculptor.

ANSWER: Daniel Chester **French**

015-09-11-02211

12. This period began with the election of Boris Godunov. For 10 points each:

[10] Name this period of Russian history following the death of the feeble Feodor.

ANSWER: **Time of Troubles**

[10] Feodor was the son of this first tsar of Russia, who had St. Basil's Cathedral built. An apocryphal story holds that he subsequently blinded its architect.

ANSWER: **Ivan IV** [or **Ivan the Terrible**; or **Ivan Grozhny**]

[10] This tsar during the Time of Troubles had, following Boris Godunov's orders, investigated the death of Dmitriy, Ivan's youngest son, and corroborated that Dmitriy had committed suicide. He then plotted against the first False Dmitriy and succeeded him.

ANSWER: **Vasily IV** [or Vasily Ivanovich **Shuisky**]

022-09-11-02212

13. Henry Johnson becomes disfigured trying to save Jimmie Trescott in this man's work, "The Monster." For 10 points each:

[10] What author wrote the poetry collection *The Black Riders* in addition to a short story about gamblers and a Swede, "The Blue Hotel?"

ANSWER: Stephen **Crane**

[10] Crane wrote this civil war novel in which Henry Fleming comes to fight with valor after witnessing Jim Conklin's death.

ANSWER: *The **Red Badge of Courage***

[10] In this Crane work, the outlaw Scratchy Wilson calls off his fight with the sheriff of the title town when he learns that the sheriff is married.

ANSWER: "The **Bride Comes to Yellow Sky**"

034-09-11-02213

14. Name these Jewish prophets, for 10 points each.

[10] This man attempted to flee to Jaffa to escape preaching in Nineveh but was swallowed by a giant fish for three days and repented.

ANSWER: **Jonah** [or **Yona**; or **Yunus**; or **Ionas**]

[10] This man took over preaching to the Israelite kings after his predecessor, Elijah, was taken to heaven in a chariot of fire. He commanded Namaan to bathe in the River Jordan seven times to free him of leprosy.

ANSWER: **Elisha** [or **Elisa**; or **Ilyasa**; or **Eliseus**]

[10] This second wife of Elkanah dedicated her first-born son to God in the service of Eli the High Priest. That son went onto anoint both Saul and David.

ANSWER: **Hannah** or [**Channa**]

005-09-11-02214

15. They include the tetrahedron and the cube. For 10 points each:

[10] Name this collection of five structures whose faces are congruent convex regular polygons.

ANSWER: **Platonic solid**

[10] Platonic solids are the regular convex members of this group of three dimensional solids whose faces are polygons.

ANSWER: **polyhedra** [or **polyhedron**]

[10] This man gives his name to the relationship that the vertices minus the edges plus the faces of a convex polyhedra equals two.

ANSWER: Leonhard Paul **Euler**

001-09-11-02215

16. This man wrote a work about a country in which verbs and adjectives are used in place of nouns in "Tlon, Uqbar, Orbis Tertius." For 10 points each:

[10] Name this poet who wrote a work about a sphere containing all of the points of the universe in "El Aleph".

ANSWER: Jorge Luis **Borges**

[10] Borges is a Spanish-language author from this country, which is also home to Manuel Puig, who set *Betrayed by Rita Hayworth* and *The Buenos Aires (EYE) Affair* in Buenos Aires.

ANSWER: **Argentina**

[10] In this Borges short story, the title structure contains an infinite number of books in hexagonal galleries. Some characters in this story seek the Man of the Book, who supposedly read all of the title structure's works.

ANSWER: "The **Library of Babel**" [or "La **Biblioteca de Babel**"]

030-09-11-02216

17. The rebels in this conflict were led by Chin Peng and supported by the Chinese minority. For 10 points each:

[10] Name this insurgency which lasted from 1948 to 1960 in a namesake British colony in Southeast Asia before being quelled by the tactics of Gerald Templer.

ANSWER: **Malayan** Emergency [accept variants involving **Malaya**]

[10] The success of the government in the Malayan Emergency has been contrasted with French and American failures to defeat Communist guerillas in this southeast Asian nation.

ANSWER: **Vietnam** [accept **Indochina**]

[10] This 1954 battle saw elite French paratrooper, Foreign Legion, and North African rifle units encircled and destroyed in its namesake village, ending France's war in Vietnam.

ANSWER: Battle of **Dien Bien Phu**

059-09-11-02217

18. This will usually produce carbon dioxide and water. For 10 points each:

[10] Name this type of reaction involving an oxidizing agent that produces heat.

ANSWER: **combustion** reaction

[10] These compounds formed from two namesake elements are combusted for power generation. Examples include methane and butene.

ANSWER: **hydrocarbons**

[10] This is the chemical process by which hydrocarbons are broken into smaller molecules. This is often done at oil refineries.

ANSWER: **cracking**

001-09-11-02218

19. This member of the Chicago School of Sociology developed the dramaturgical approach, which views person-to-person interaction as part of the theater of life. For 10 points each:

[10] Name this author of *The Presentation of Self in Everyday Life*.

ANSWER: Erving **Goffman**

[10] According to Goffman, these constructs are created through expressions that we give and that we give off. Managing these constructs, especially "first" ones, is a key to succeeding in convincing others of our view of a social situation.

ANSWER: **impressions**

[10] Goffman divided these constructs into "inside" ones, which mark an individual as a member of a team, "strategic" ones, which must be concealed from the audience to prevent them from adapting, and "dark" ones, which must be concealed from the audience because they could reveal information incompatible with the team's self-image.

ANSWER: **secrets**

003-09-11-02219

20. This war included heroic charges up San Juan and Kettle Hill by a unit commanded by Leonard Wood. For 10 points each:

[10] Name this war which was urged by the yellow journalism of William Randolph Hearst and included battles like Santiago in Cuba and Manila Bay in the Philippines.

ANSWER: **Spanish-American** War

[10] The Spanish American War was sparked by the explosion of the US ship in Havana harbor.

ANSWER: *USS* **Maine**

[10] The Spanish-American War was called a "splendid little war" by this man who adopted the Open Door policy with China and signed a series of Panama Canal treaties as secretary of state.

ANSWER: John **Hay**

015-09-11-02220

21. This law states that F equals negative Kx . For 10 points each:

[10] Name this law that equates the restoring force to the product of the displacement and a force constant k .

ANSWER: **Hooke's** law

[10] Hooke's law is for the elasticity of these mechanical devices, which can facilitate simple harmonic oscillation when a weight is attached to a hanging one and displaced.

ANSWER: **springs**

[10] This measure of stiffness of an isotropic elastic material is defined as the ratio of stress over strain in the range in which Hooke's law is valid.

ANSWER: **Young's modulus** [prompt on partial answer; prompt on **E**; prompt on **modulus of elasticity**; prompt on **elastic modulus**; accept **tensile modulus**]

026-09-11-02221