

1. **This composer wrote a tone poem in which the English horn represents a mythical bird of the underworld. This man also wrote an orchestral suite which depicted such images as the castle of Karl Knutsson. Besides writing *The Swan of Tuonela* (TOO-o-nay-la) and the *Karelia Suite*, this composer wrote a symphonic poem meant to protest (*) Russian censorship within his home country. His *Lemminkainen* (LEM-enk-eye-nen) *Suite* was inspired by his country's national epic, the *Kalevala*. For 10 points, name this composer of *Finlandia*.**

ANSWER: Jean Sibelius (sey-BAIL-ay-us)

052-09-10-05102

2. **Debye (duh-BYE) fixed the maximum phonon frequency for a theory of this, which works better at low temperatures than the Einstein model. It is equal to three times the gas constant divided by the molar mass according to the Law of (*) Dulong (doo-LONG) and Petit. The calorie is defined in terms of this for water, which is about 4.186 kilojoules per kilogram Kelvin. 10 points, name this amount of energy to raise a unit amount of a material by one degree.**

ANSWER: specific heat capacity

001-09-10-05103

3. **This man called the Luca Conference to prevent civil war in the territory he governed. He defeated Vercingetorix (VER-sin-GET-uh-ricks) at Alesia in that territory. Besides being the governor of (*) Gaul, this man defeated Ptolemy XIII at the Battle of the Nile. He was a member of the First Triumvirate along with Pompey and Crassus, and was succeeded by his adopted son Augustus. For 10 points, name this Roman leader, who was killed on the Ides of March by Cassius and Brutus.**

ANSWER: Gaius Julius Caesar [prompt on Caesar]

005-09-10-05104

4. **After kicking a preseason extra point against the Patriots, this athlete stated that he was Esteban, "the most interesting footballer in the world." He was fined for holding a dollar bill during a replay challenge and for donning a (*) poncho and sombrero after scoring a touchdown against the Lions. This player was drafted out of Oregon State by the Cincinnati Bengals. For 10 points, name this NFL wide receiver who, in 2008, legally changed his name to reflect the number on his jersey in inaccurate Spanish.**

ANSWER: Chad Ochocinco [or Chad Johnson; or Chad Hachi Go]

045-09-10-05105

5. **At one point, these characters climb into barrels aboard a ship bound for England. Later, one of these characters stabs the Player with what turns out to be a fake knife. That stabbing leads to the Tragedians acting out various types of stage death, while these two characters contemplate their (*) impending execution. As one work in which they appear begins, a coin comes up heads 89 times in a row. For 10 points, name these two minor characters in *Hamlet*, who are both declared dead in the title of a Tom Stoppard play.**

ANSWER: Rosencrantz and Guildenstern [or Guildenstern and Rosencrantz; do not accept or prompt on partial answer]

062-09-10-05106

6. **This structure is the focus of the traveling wave theory developed by Georg von Bekesy (BECK-uh-shee). This organ contains Reissner's membrane and is divided into the scala media, scala vestibuli (ves-TIB-you-lee), and scala tympani (TIM-puh-nee). The tectorial and basilar membranes are located in the Organ of (*) Corti (CORE-tee) within this structure. This organ contains three rows of outer hair cells and one row of inner hair cells. For 10 points, name this main sensory organ of hearing, which is located in the inner ear.**

ANSWER: cochlea [or basilar membrane before "Reissner"; prompt on inner ear before mentioned]

003-09-10-05107

7. **This ruler secured funding for his military campaigns from France in the Treaty of Bärwalde. He earlier gained Livonia in the Truce of Altmark, which he forced upon his cousin Sigismund III. This leader famously used mobile and rapid-firing artilleries to defeat Count Tilly at (*) Breitenfeld. When this leader was killed at the Battle of Lützen fighting against Wallenstein, he was succeeded by his daughter Christina. For 10 points, what member of the House of Vasa and a hero of the Thirty Year's War was a "Great" king of Sweden?**

ANSWER: Gustavus II Adolphus [or Gustav Adolf or Gustav the Great]

034-09-10-05108

8. **The personification of waters in this kingdom's mythology, Apsu (OP-soo), was defeated and used as a foundation for a temple by Ea (EY-uh) or Enki. The Tablet of Destinies was affixed to Kingu, the son of a monster in this mythology. That monster's defeat was told in the (*) Enuma Elish (EH-noo-muh eh-LEESH), the creation myth of this kingdom, which ends in Tiamat's (TEE-uh-motz) defeat by Marduk (MAR-dook), for whom a ziggurat was built in this kingdom's capital. The Ishtar Gate is in, for 10 points, what Mesopotamian city once the center of an empire ruled by the lawmaker Hammurabi?**

ANSWER: Babylon [accept word forms; accept Sumeria until "Enuma Elish"]

003-09-10-05109

9. **This author cautioned against "an American society gone awry, training individuals for roles they could not assume," in a work categorizing the Plains Indians as Dionysian and the Zuni as Apollonian. By using war propaganda and the diaries of captured soldiers, this woman categorized (*) Japanese national character without ever having visited the country. For 10 points, name this anthropologist who wrote *Patterns of Culture* and who described guilt versus shame cultures in *The Chrysanthemum and the Sword*.**

ANSWER: Ruth Fulton Benedict

003-09-10-05110

10. **One character in this story follows a route that takes him past Wiley's Swamp and Andre's Tree on his horse Gunpowder. Abraham Van Brunt is referred to in this story by the nickname (*) "Brom Bones." Brom competes with a schoolteacher in this story for the affection of Katrina Van Tassel. The schoolteacher often tells ghost stories, including one about the figure who seems to chase the teacher out of town. For 10 points, name this short story in which Ichabod Crane believes he is chased by the Headless Horseman, written by Washington Irving.**

ANSWER: "The Legend of Sleepy Hollow" [do not accept or prompt on partial answers]

023-09-10-05111

11. **The Doon Valley lies in this range's Shivalik (SHEE-vuh-leek) Hills, which are home to Gujjar (GOO-jur) tribes in the Mohan Pass. This range's largest lake is the brackish Pangong, situated just below Changla (SHONG-lah) Pass. This range is the origin of the Irrawaddy (ERR-uh-wah-dee) River. Much of this range is populated by (*) Sherpa tribes. It contains the peaks Lhotse (LOTE-seh) and Kangchenjunga (KAN-chen-JOON-guh) as well as K2. For 10 points, name this mountain range, which is the longest in Asia and contains Mount Everest.**

ANSWER: Himalayas [or Himalayan Range]

060-09-10-05112

12. **In one short story, this author wrote of Mrs. Sinico, whose rejection by Mr. Duffy prompts her to drunkenly wander in front of a train. In one of his stories, the protagonist debates whether to quote Robert Browning before recalling his wife Gretta's adolescent love, Michael Furey. This author wrote a novel in which Father (*) Arnall's sermon scares the protagonist. In that autobiographic novel, this author created Stephen Dedalus, who reappears in a novel that features Molly and Leopold Bloom. For 10 points, name this author of *Dubliners*, *A Portrait of the Artist as a Young Man*, and *Ulysses*.**

ANSWER: James Augustine Aloysius Joyce

026-09-10-05113

13. **One method of assigning values in this system involves making one digit represent whether the number is positive or negative. That method is known as the sign-and-magnitude representation. Another method of assigning negative values in this system takes a positive number, inverts that number's digits, and then adds one. That method is called the (*) two's complement representation. Numbers in this system are made up of values called bits. For 10 points, name this numbering system that differs from the decimal system by only using zeros and ones.**

ANSWER: binary number system [or base-two number system]

023-09-10-05114

14. **This President became embroiled in the Travelgate controversy early in his presidency. The Americorps program was created during this man's administration. This signer of the Brady Bill oversaw the military's adoption of the (*) "Don't Ask Don't Tell" policy and presided over military actions in Bosnia and Somalia. This President was hampered by the Whitewater Scandal and appointed Madeline Albright as Secretary of State. For 10 points, name this U.S. President who was impeached following an affair with Monica Lewinsky.**

ANSWER: William Jefferson "Bill" Clinton [or William Jefferson Blythe III]

015-09-10-05115

15. **One of this architect's buildings has a facade with upper level Ionic and lower level Doric columns. This architect of the Palazzo Chiericati (puh-LOTS-oh CHAIR-ee-COT-ee) designed the residence called "La Malcontenta." In 1774, the bell tower of his Church of San Giorgio Maggiore (san JOR-jee-oh mah-JOR-ee) collapsed. The original massive (*) dome on one of his designs was never executed due to this architect's death. For 10 points, name this Italian architect of the Villa Rotonda who wrote an architectural treatise called *Four Books of Architecture*.**

ANSWER: Andrea Palladio

032-09-10-05116

16. According to legend, this man brought Greece the alphabet. When Illyria was destroyed, Zeus turned this figure and Harmonia into black serpents and sent them to the Elysian Fields. This man was ordered by the oracle at Delphi to cease his quest to find his sister (*) Europa and to settle at the spot where a cow lay down. This man created a race of armed men known as Spartoi after planting dragon's teeth. For 10 points, name this founder of Thebes.

ANSWER: Cadmus

030-09-10-05117

17. On the left of this painting is a distorted, wailing mother who holds her dead child. Its top depicts a woman's arm holding a lantern, above which a light bulb shines. In the center of this painting, a horse is being (*) stabbed with a spear. In 2003, a reproduction of this painting was covered leading up to the war in Iraq. This black-and-white work was a response to the actions of the Condor Legion of the Luftwaffe (LOOFT-voff-uh). For 10 points, name this work painted by Pablo Picasso after the bombing of a Basque town.

ANSWER: Guernica (GARE-nee-kah)

003-09-10-05118

18. One book by this author details an abbey whose motto is "Do What Thou Wilt." This man who wrote of the Abbey of Theleme described a search for the Oracle of the Divine Bottle. This author created a character who was born after his mother played tag on the green, which resulted in the birth out of her left ear of a child who required (*) 17,913 cows to provide his milk. This writer used the pseudonym Alcofribas Nasier to create a giant born of Grangosier and Gargamelle. For 10 points, name this French author who created Gargantua and Pantagruel.

ANSWER: François Rabelais

026-09-10-05119

19. This quantity is increased in the proximity effect, which results from current crowding in materials that are close together. This quantity is proportional to the length of a wire and inversely proportional to the cross section of a wire. The (*) "sea of electrons" effect makes this quantity low in metals. It is equal to potential over current according to Ohm's (OMEZ) Law. For 10 points, identify this measure of a material's opposition to the flow of steady current through it.

ANSWER: electrical resistance

032-09-10-05120

20. This man's feats were recorded in an epic poem by Blind Harry. After his most famous victory, the skin of Hugh Cressingham was used to make a belt for this man's sword. However, the loss of Andrew Murray at that battle proved disastrous for this leader at the later Battle of (*) Falkirk. This victor at Stirling Bridge was declared an outlaw in 1304 and executed in 1305, making him a martyr for the Scottish cause. For 10 points, name this man sometimes known as the "Braveheart."

ANSWER: William Wallace [prompt on Braveheart before it is read]

003-09-10-05121

21. Some members of this phylum keep their bodies clean through the use of pedicellaria (pe-deh-sell-AIR-ee-uh). Its species have a system of interlocking calcium carbonate plates called stereom. Many members of this phylum exhibit (*) pentaradial symmetry, and have tube feet called podia. Podia are found at the end of this phylum's main method of movement and respiration, the water-vascular system. For 10 points, name this phylum of sea cucumbers and starfish, which has a Greek name that describe its members' spiny skin.

ANSWER: Echinodermata [or echinoderms]

023-09-10-05122

1. This law states that F equals negative kx . For 10 points each:

[10] Name this law that states a relationship between restoring force and the displacement for springs.

ANSWER: Hooke's law

[10] This modulus is the ratio of stress over strain in regions where Hooke's law holds.

ANSWER: Young's modulus

[10] If a weight is hung from the end of a spring, displaced, and released, this type of system will result.

ANSWER: simple harmonic oscillator [do not accept "quantum harmonic oscillator"]

026-09-10-05201

2. After he moves to Cyprus, this character warns his commander "O, beware, my lord, of jealousy. It is the green-ey'd monster which doth mock the meet it feeds on." For 10 points each:

[10] Name this character, who uses props like a stolen handkerchief to convince Othello that Desdemona is unfaithful.

ANSWER: Iago

[10] Iago is a creation of this playwright, who also wrote *Titus Andronicus* and *A Midsummer Night's Dream*.

ANSWER: William Shakespeare

[10] Iago manipulates this man into appearing to be conducting an affair with Desdemona. He is a lieutenant, who early in the play loses his reputation by getting in a drunken fight with Rodrigo.

ANSWER: Cassio

027-09-10-05202

3. This musician descended to the underworld to ask for the return of his beloved, but lost her when he looked back before reaching the surface. For 10 points each:

[10] Name this lover of Eurydice.

ANSWER: Orpheus

[10] The Orpheus myth served as the basis for *Orpheus in the Underworld*, an operetta that prominently features the cancan and was written by this composer of *Tales of Hoffman*.

ANSWER: Jacques Offenbach [or Jacob Offenbach]

[10] The Jean-Paul Sartre essay "Black Orpheus" introduces an anthology edited by this Senegalese poet and president. *Poems of a Black Orpheus* is a collection of William Oxley's translations of this man's poems.

ANSWER: Leopold Sedar Senghor

003-09-10-05203

4. Corvino's wife Celia is one of the few honorable characters in this play. For 10 points each:

[10] After helping his master trick Voltore and Corbaccio in this work, Mosca is sentenced to a slave galley.

ANSWER: Volpone

[10] This playwright of *Volpone* also wrote the satires *The Poetaster* and *Cynthia's Revels*.

ANSWER: Ben Jonson

[10] In this Ben Jonson play, Face, Subtle and Dol Common fleece a large number of fools by promising to turn metals into gold.

ANSWER: *The* Alchemist

063-09-10-05204

5. Some organisms in this domain are extremophiles that live in high temperatures or high salt concentrations. For 10 points each:

[10] Name this domain of life consisting of single celled creatures that share some characteristics with both domains Bacteria and Eukaryota.

ANSWER: **Archaea**

[10] For the most part, Archaea lack this constituent of bacterial cell walls that consists of NAG and NAM with a peptide chain.

ANSWER: **peptidoglycan** (pep-TID-oh-GLY-can)

[10] Since most Archaea lack peptidoglycan, they cannot be easily separated into two groups using this stain that separates bacteria based on the peptidoglycan content of their cell walls.

ANSWER: **Gram** stain

001-09-10-05205

6. Its first incarnation was ruled by King Alexander I, who was shot in Marseille. For 10 points each:

[10] Name this country which split into states such as Bosnia and Herzegovina, Macedonia, and Serbia in 1991.

ANSWER: **Yugoslavia**

[10] Until his death in 1980, Yugoslavia was led by this Nonaligned Movement founder.

ANSWER: Josip Broz **Tito**

[10] This constituent state was led out of Yugoslavia by Franjo Tudman.

ANSWER: **Croatia**

015-09-10-05206

7. It commemorates the rededication of the Temple after the victory of the Maccabees over Antiochus IV.

For 10 points each:

[10] Name this Jewish festival of lights that begins on the 25th of Kislev during which a menorah is lit.

ANSWER: **Hannukah** [or **Chanukah**]

[10] Hamantaschen are traditionally eaten on this holiday that commemorates Esther's persuasion of Xerxes to not kill the Jews.

ANSWER: **Purim** [or **festival of lots**]

[10] During this festival, Jews would bring the first fruits of the harvest to the temple. It occurs after Passover and the Counting of Omer and celebrates the giving of the Torah to Moses.

ANSWER: **Shavout** [or **Passover**]

005-09-10-05207

8. At the beginning of his most famous work, he described history as being driven by class struggles. For 10 points each:

[10] Name this sociologist who wrote *The Communist Manifesto* with Friedrich Engels, and who also wrote *Das Kapital*.

ANSWER: Karl Heinrich **Marx**

[10] Marxist theory uses this term to describe the working class. According to Marx, they are exploited by the bourgeoisie.

ANSWER: **proletariat** [accept word forms]

[10] This school of sociology, named after the German city where it began, was greatly influenced by Marxism. Its major theorists included Theodor Adorno and Walter Benjamin.

ANSWER: **Frankfurt** School

024-09-10-05208

9. It began after rumors spread that Muslim and Hindu troops were being forced to bite cartridges greased with beef and pig fat. For 10 points each:

[10] Name this 1857 uprising of namesake British colonial troops.

ANSWER: The **Sepoy** Mutiny of 1857 [or **Sepoy** Uprising of 1857; or **Indian Mutiny** of 1857; or **Revolt of 1857**; or other variants implying it was a mutiny in India in 1857]

[10] A turning point of the Sepoy Mutiny came with the unsuccessful siege by sepoys of this city, the then capital of India. A new version of this city serves as India's current capital.

ANSWER: **Delhi**

[10] Another turning point of the Sepoy Mutiny was this siege, which revolved around the Residency building and was later relieved by Colin Campbell.

ANSWER: Siege of **Lucknow**

059-09-10-05209

10. According to legend, a group of artists including Jean Arp and Tristan Tzara stabbed a paper knife into a dictionary and gave the French word for “hobby-horse” to this art movement. For 10 points each:

[10] What anti-art movement produced works like Francis Picabia's *Balance* and Hannah Hoeh's *Cut with the Kitchen Knife*, in addition to some ready-made sculptures?

ANSWER: **Dadaism**

[10] This Dada artist painted *Nude Descending a Staircase*, and signed R. Mutt on a urinal and called it “The Fountain.”

ANSWER: Henri-Robert Marcel **Duchamp**

[10] Duchamp is also known for this work, which consists of a moustache added onto the *Mona Lisa*. When the title is read aloud in French, it becomes “she has a hot behind.”

ANSWER: **L.H.O.O.Q.**

034-09-10-05210

11. In the early stages of this war, forces under George Washington surrendered Fort Necessity. For 10 points each:

[10] Name this war which began in 1754 between two major European powers. It resulted in the British gaining control of Canada and becoming the dominant colonial power in North America.

ANSWER: **French and Indian** War [or **Seven Years** War]

[10] After the French and Indian War, the British increased colonial tensions by issuing this royal decree, which prevented colonists from settling the fertile Ohio River Valley. It was named for the year it was issued.

ANSWER: **Proclamation of 1763**

[10] Tensions between Britain and the American colonies were further inflamed with the end of this British policy, which placed few or no restrictions on colonial trade. It was the main British colonial policy before the French and Indian War.

ANSWER: **salutary neglect**

004-09-10-05211

12. This character writes a terrible essay for his teacher Mr. Spencer and is disgusted when he sees obscenities written at the Museum of Natural History. For 10 points each:

[10] Name this protagonist of J.D. Salinger's *The Catcher in the Rye*.

ANSWER: **Holden Caulfield** [accept either]

[10] At the start of the novel, Holden escapes from this Pennsylvania prep school where he lives in Ossenburger Hall with his roommate Stradlater.

ANSWER: **Pency Prep**

[10] In chapter 24 of the novel, Holden stays at the Manhattan apartment of this man. The encounter ends abruptly when Holden believes that he is making advances on him.

ANSWER: Mr. **Antolini**

064-09-10-05212

13. This man wrote many of his findings in *De Motu Cordis*. For 10 points each:

[10] Name this English physician who worked out the circulation of blood.

ANSWER: William **Harvey**

[10] Harvey's work overturned that of this Greco-Roman physician from Pergamum whose work was the basis of medicine for a thousand years.

ANSWER: **Galen**

[10] This 16th century Flemish anatomist started the move from Galen by showing that Galen's work was based on monkeys. He wrote *De Humani Corporis Fabrica*.

ANSWER: Andreas **Vesalius**

001-09-10-05213

14. The French Revolution was a dangerous time to be alive. For 10 points each:

[10] Its physician namesake wanted to lessen the suffering of its victims. Name this type of capital punishment that separated Charlotte Corday from her head.

ANSWER: **Guillotine**

[10] This man dominated the bloodthirsty Committee of Public Safety. A gunshot took out this man's jaw the day before he went to the guillotine. His death ended the Reign of Terror.

ANSWER: Maximilien **Robespierre**

[10] Catholics in this south-west region rebelled against the Revolution. Despite losing 15,000 in battle at Le Mans, the insurgents here won freedom to worship and an end to conscription.

ANSWER: **Vendee**

063-09-10-05214

15. This region is home to the Ramat Hovav toxic waste facility. For 10 points each:

[10] Name this desert which takes up over half of the total land of Israel. It is home to a group of inhabitant Bedouins and its capital is at Beersheba.

ANSWER: **Negev** Desert [or **Negeb**]

[10] Israel's largest freshwater lake is this body of water, the second lowest lake in the world after the Dead Sea. It is also known as the Sea of Tiberius and is found near the Golan Heights.

ANSWER: Sea of **Galilee** [or Lake of **Gennesaret**; or Lake **Kinneret**]

[10] This city in Israel, after Jerusalem and Tel Aviv, is the third largest in the country. A major seaport, it is home to the Baha'i World Center. This city is built on the slopes of Mount Carmel.

ANSWER: **Haifa**

052-09-10-05215

16. This work includes ten characters, each of whom is king or queen for one of ten days, and each of whom tells one story on each day. For 10 points each:

[10] Name this book of one hundred stories told by a group of Florentine young adults fleeing the plague-ridden city.

ANSWER: The **Decameron**

[10] Name the author of *The Decameron*, who also wrote a series of biographies of females entitled *On Famous Women*.

ANSWER: Giovanni **Boccaccio**

[10] The third story in *The Decameron* contains the parable of the three rings, which is also told by the title sage Jew in this Gotthold Lessing drama.

ANSWER: **Nathan the Wise** [or **Nathan der Weise**]

003-09-10-05216

17. This planet is less dense than water, and it has the second fastest rotation around the sun. For 10 points each:

[10] Name this large planet that has distinct rings made up of ice particles.

ANSWER: **Saturn**

[10] This division between the A and B rings of Saturn is named for an early Italian scientist, who also names a spacecraft sent out to study the rings.

ANSWER: **Cassini** Division

[10] This largest moon of Saturn is the second largest moon in the solar system.

ANSWER: **Titan**

023-09-10-05217

18. For 10 points each, name these techniques in film.

[10] This technique places a series of short scenes in a specific sequence to convey a specific idea or the passage of time. Athletes often train in sports movies as inspirational music plays in a hackneyed form of this technique.

ANSWER: **montage**

[10] This technique involves filming at a lower frame rate than the image will be played back at, and is often used to portray slowly-developing events, such as the opening of a flower.

ANSWER: **time-lapse** photography

[10] Popular in French New Wave films, this technique involves placing together shots filmed from only slightly different angles, such that the image appears to perform the namesake action.

ANSWER: **jump** cut

003-09-10-05218

19. Their names were Cottus, Briareus, and Gyges. For 10 points each:

[10] Name these sons of Uranus who had fifty heads each.

ANSWER: **Hecatonchires** [or **hundred-handed**; or equivalents mentioning one **hundred hands**]

[10] Uranus locked the Hecatonchires [HECK-uh-TAWN-kuh-reez] in this deep pit; after being freed, they served as guards over the sinners punished in this deepest part of the Greek underworld.

ANSWER: **Tartarus**

[10] In contrast to Tartarus, this section of the underworld contained the souls of the heroic and virtuous and was equated with the Greek heaven.

ANSWER: **Elysian** Fields [or **Elysion**; or **Elysium**]

003-09-10-05219

20. For 10 points each, name these Russian composers.

[10] He used a march to represent Nazi soldiers invading the titular city in his "Leningrad" symphony, and he also wrote the "Babi Yar" symphony.

ANSWER: Dmitri **Shostakovich**

[10] This composer of *The Isle of the Dead* wrote a set of variations on a theme by Niccolò Paganini.

ANSWER: Sergei **Rachmaninoff**

[10] A traveling caravan is depicted in his *Steppes of Central Asia*, and the "Polovetsian Dances" are often excerpted from his unfinished opera *Prince Igor*.

ANSWER: Alexander **Borodin**

032-09-10-05220

21. A series of four leaders ruled the Soviet Union from 1982-1985 in a period of instability. For 10 points each:

[10] This man became ruler in 1985 and would institute reforms that brought about the end of the Soviet Union.

ANSWER: Mikhail **Gorbachev**

[10] Gorbachev succeeded this man, whose rule only lasted 11 months. During his reign the Soviet Union boycotted the 1984 Summer Olympics in Los Angeles.

ANSWER: Konstantin **Chernenko**

[10] Among Gorbachev's reform initiatives were the "restructuring" of Soviet bureaucracy known as "perestroika" and this policy, translating to "openness," which removed much censorship.

ANSWER: **glasnost**

064-09-10-05221