

1. **The winner of Britain's Got Talent 2017, Tokio Myers, used a mashup between Ed Sheeran's "Bloodstream" and a movement from a suite by this composer in his first audition. This composer told his teacher Guiraud "Pleasure is the law!" Indonesian gamelan music is evoked in *Pagodas*, a movement from the suite *Estampes* that this composer wrote. A Paul Verlaine poem inspired the title of a four-movement piano suite by this composer. For ten points, name this French composer of *Suite bergamasque*, which includes the movement "Clair de Lune."**

Answer = Claude Debussy

2. **This man said that "A perfect world is never perfect, only filled with lies" in one song, and stated that "My resume is real enough for two milleniums" in a collaboration with Rihanna. *Pride* is by this artist, who discussed "Institutionalized manipulation and lies" in another song. "Loyalty" is also by this artist, who dressed like a pope and re-enacted *The Last Supper* in a music video for a song in which he repeatedly instructed listeners to "sit down." For ten points, what African-American artist wrote the songs *The Blacker The Berry* and *Humble*?**

Answer = Kendrick Lamar (accept either underlined portion)

3. **A quantity denoted with this letter is equal to the hyperbolic cosine of the rapidity and is also equal to 1 over the square root of 1 minus the square of the ratio of velocity to the speed of light. A quantity denoted with this letter for an ideal gas is equal to 2 divided by the degrees of freedom of a molecule, plus one. Adiabatic index, reflection coefficient, and the Lorentz factor are all denoted with this Greek letter. A particle equal to the quantum of light is symbolized by, for ten points, what Greek letter, the symbol for the photon?**

Answer = Gamma

4. **In one novel set in this location, the owner of a shirt-collar factory in the fictional city of Lycurgus meets his nephew bellboy, Clyde Griffiths. A character born in this location works for the corrupt Einhorn, lives with the rich Renlings, and has an affair with the Greek hotel maid Sophie. This is also where Thea Kronborg moves in *The Song of the Lark*. Hurstwood and Caroline Meeber live in this city in one novel, and it's the setting of Theodore Dreiser's *Sister Carrie*. Saul Bellow's protagonist Augie March is born in, for ten points, what Illinois city?**

Answer = Chicago

5. **This tribe signed the Bear Springs Treaty with Colonel Alexander Doniphan. The 2012 documentary "Sun Kissed" explores the high rates of xeroderma pigmentosum present in these people. After a violent dispute among these people about a horse race, 200 of them attacked Manuel Chaves. In 1864, a namesake "Long Walk" was undertaken by these people to eastern New Mexico. Members of**

this tribe formed a group of “code talkers” during World War II. For ten points, name this Southwestern Native American tribe.

Answer = Navajo (accept Diné)

6. **This religion’s writings states that humans have a “rational soul.” The Nanumea island of Tuvalu is the only region where this religion forms a majority, and this religion calls marriage a “fortress for well-being and salvation.” This religion is governed by nine-person Spiritual Assemblies, and the twelve-day festival of Ridván is celebrated by this religion, whose ruling body, located in Haifa, Israel, is the Universal House of Justice. “Manifestations of God” and the Báb are central concepts of, for ten points, what Persian faith founded by Baha’u’llah?**

Answer = Bahá’í Faith

7. **One thinker from this school said that we “become an inheritor of the funded capital of civilization” in *My Pedagogic Creed*; that thinker also posited three levels of organization; self-action, interaction, and transaction. Another thinker from this school discussed cenopythagorean categories in “How to Make our Ideas Clear.” The Laboratory School of Chicago was founded by an author of *Democracy and Education* and member of this school. John Dewey and Charles Sanders Peirce were part of, for ten points, what American school that emphasized practicality?**

Answer = Pragmatism

8. **The Carnal Pluvial event took place during this period. The “Rauisuchia” archosaurs lived during this period that was partially divided into the Rhaetian, Norian, and Anisian. The Cynognathus therapsids were the top predators during this period. The only known mass extinction of insects killed 95% of species preceding this period that saw the first appearance of the dinosaurs. Trilobites went extinct during, for ten points, what first period of the Mesozoic Era that succeeded the Permian Period and preceded the Jurassic period?**

Answer = Triassic Period

9. **This poet stated that Melia said “I wish I had feathers, a fine sweeping gown!” in one poem, and in another discussed “salamandrine pyres” and “Dim moon-eyed fishes.” This author wrote a poem that discusses “The ancient pulse of germ and birth.” “The Ruined Maid” is by this poet, who also wrote “Lines on the loss of the Titanic” and a work beginning “I leant upon a coppice gate.” For ten points, name this British author of “The Convergence of the Twain” and “The Darkling Thrush”, who included the character Angel Clare in *Tess of the D’Urbervilles*.**

Answer = Thomas Hardy

10. **In the Canaanite myth system, Anat was the god of this concept, and Maher was the god of this in Aksumite mythology. The Aloadae Otus and Ephialtes trapped**

**the god of this entity in a bronze urn for thirteen months, after which he killed the giant son of Echidna, Ekhidnades. It's not the sun, but** Huitzilopochtli was the Aztec god of this entity. Phobos and Deimos were the son of the Greek god of this concept, and the Roman god of this concept names a “red” planet. For ten points, name this violent concept associated with Mars and Ares.

Answer = War (prompt on obvious equivalents like “Strife”, “Conflict”, “Fighting”, “Battle”, prompt on “Violence” before said)

**11. During this dynasty, its Emperors Qinzong and Huizong were captured during the Jingkang Incident. Fan Zhongyan and Ouyang Xiu tried to implement the Qingli reforms during this dynasty which also saw Sima Guang publish the historical book *Zizhi Tongjian* to Emperor Shenzong. Wang Anshi attempted to implement the New Policies during this dynasty. Beginning with Emperor Taizu, movable type and gunpowder were invented during this dynasty. For ten points, name this Chinese dynasty that preceded the Mongol-led Yuan dynasty.**

Answer = Song Dynasty

**12. This play ends with a character who has atrophied eyelids saying “Well then, let's get on with it”; that character's valet says that “We cater for all sorts: Chinamen and Indians, for instance” and asks “What [...] would be the point of brushing your teeth?” This play references the “boring old aunt” Mary. A lesbian postal clerk who seduces Florence is in this play, which sees a character remark that “hell is other people.” A room furnished in the “Second empire” style is the setting of, for ten points, what 1944 play about Joseph, Estelle, and Inèz, by Jean-Paul Sartre?**

Answer = No Exit (accept Huis Clos)

**13. The artificial lake Lalla Takerkoust and the Barrage Cavagna lie near this mountain range, which names a kind of native cedar tree and contains the Hautes plains. The Ziz and Sebou rivers have their source in this mountain range. The Cuvier's gazelle has its habitat in this mountain range. The Jbel Bou Naceur is the highest point of this range whose “Middle” part contains the Rif region. The “Tell” and “Aurès” subranges are part of, for ten points, what mountain range mainly inhabited by Berbers, located in the Maghreb of Northern Africa?**

Answer = Atlas Mountains

**14. The advance of cherry blossoms across Japan was forecasted using an equation named for this man, who published his studies of toxins and antitoxins in *Immunochemistry*. He theorized that if the quantity of carbon dioxide increases geometrically, the temperature in the atmosphere increases arithmetically. This Swedish scientist names a “plot” and he devised the first definition of acids and bases**

by using hydroxide and hydronium ions. For ten points, name this chemist whose namesake equation relates activation energy, temperature, and reaction rate.

Answer = Svante Arrhenius

**15. This author wrote a novel that sees a man found the cult “Sakigake”; that man’s daughter writes the novel *Air Chrysalis*. “The Boss” contacts a chainsmoker after he publishes a pastoral picture sent to him in a letter by “Rat” in a novel by this author. “Storm Trooper” is a cartography major in a novel by this author of 1Q84 and *A Wild Sheep Chase*. In addition to a 1987 novel titled for a Beatles song, he wrote a novel about Nakata’s search for lost cats. For ten points, name this Japanese author of *Norwegian Wood* and *Kafka on the Shore*.**

Answer = Haruki Murakami (accept the names in either order)

**16. A ruler during this period was dragged out of a bathhouse after failing to jump out of a window; his cremated ashes were later shot from a cannon. The Seven Boyars forcibly converted a ruler into a monk at the Chudov Monastery during this period. The eruption of a Peruvian volcano may have caused a massive famine during this period that included the Battle of Klushino. The rule of Boris Gudunov began this period which saw three “False Dmitrys.” For ten points, name this conflicted period in Russia, lasting from 1598 to 1613.**

Answer = Time of Troubles (accept Smuta)

**17. This artist depicted a circular gathering on top of a mountain in his imaginary scene from *The Last of the Mohicans*. A man with a red hat atop a horse talks to a scholar seated atop a rock in this artist’s painting *Temple of Segesta*. This American artist depicted a pool of water atop a huge tree in *The Titan’s Goblet*, and he included *Destruction* and *Desolation* in a series about the decline of a civilization. A panoramic view of the Connecticut River Valley was painted by, for ten points, what artist of *The Course of Empire* and *The Oxbow*?**

Answer = Thomas Cole

**18. One player of this instrument included “Isn’t This a Lovely Day?” and “Puttin’ on the Ritz” in “The Astaire Story”; that composer names a “trio” with Ray Brown, Barney Kessel, and later Herb Ellis. Another player of this instrument composed a 376 beat-per-minute jazz standard, “Tiger Rag.” The Canadian Oscar Peterson played this instrument, as well as a leader of the Cotton Club who had a royal nickname and composed “Take the ‘A’ Train.” For ten points, name this instrument played by Art Tatum and Duke Ellington, consisting of 88 keys.**

Answer = Keyboard (accept Piano)

**19. The Polish exile Walery Wroblewski was offered the command of this government by its first military leader, Louis Charles Delescluze. Child labor**

**and night work in bakeries were outlawed by this government which promoted the *Le Rappel* newspaper. The capture of Fort Issy by Marshal MacMahon helped instigate the “Bloody Week” that ended this government. The National Guard at the capital of Tours founded, for ten points, what Adolphe-Thiers ended 1871 government located in the capital of France?**

Answer = Paris Commune

**20. The Möbius-Kantor configuration consists of this many points on each line and this many lines through each point. This is the second Lucas number and the only known prime whose reciprocal has a decimal period of 1. This is the ASCII code for “End of Text” and the retina contains this many types of cones. The second triangular number and the first Mersenne prime, this number forms a Pythagorean triple with 4 and 5 and its factorial equals 6. For ten points, name this smallest odd prime.**

Answer = 3

Tiebreaker

**1. One form of this tissue is formed from procambium, while a form of tylosis occurs with the occlusion of this tissue in woody plants. The arrangement of this tissue is categorized into centrarch, exarch, endarch, and mesarch. This tissue contains vessel elements and tracheids, and it contains the fiber and parenchyma cell types. This tissue comes in “proto” and “meta” forms. Cohesion-tension theory and transpirational pull explain how water flows through, for ten points, what transport tissue that, with phloem, comprises the plant’s vascular system?**

Answer = Xylem