

1. **One remix of this song features the new lyrics "you had my chain, you beared my name, then we had champagne." That remix starts out "knew I would love you like a fat kid love food" and features Jah Cure and Lil Wayne. This song's singer claims that he's "been (*) spending way too long checking [his] tongue in the mirror" so that his "breath fogged up the glass." The singer of this song believes that "before the cool done run out [he'll] be giving it his bestest." For 10 points, name this song in which "it cannot wait," as sung by Jason Mraz.**

ANSWER: "I'm Yours"

023-09-11-03102

2. **Some viruses use the "rolling circle" version of this process. The Meselson-Stahl experiment confirmed that this process is (*) semiconservative. Its namesake "fork" consists of a leading strand and a lagging strand, the latter of which features Okazaki fragments. Enzymes involved in this process include ligase [LIE-gaze], helicase [HEE-luh-caze], and polymerase [puh-LIM-er-aze]. For 10 points, name this process by which genetic material gets copied.**

ANSWER: DNA replication [accept RNA replication for the first sentence only]

024-09-11-03103

3. **In one scene in this work, festivities are interrupted so a scop can tell of an uprising against the Frisians. In it, Wealthow assures the proper succession to the throne by giving the protagonist a necklace. It opens by describing the ruler (*) Scyld Scefing. The protagonist uses the weapon Hrunting during one scene. The end of this work describes the loyalty of Wiglaf during a fight with a dragon while the primary antagonist attacks the mead hall Heorot of King Hrothgar. For 10 points, name this epic poem concerning a hero who slays the monster Grendel.**

ANSWER: Beowulf

064-09-11-03104

4. **This event created the Red Forest in the Zone of Alienation. It was exposed after Sweden discovered its results. Backlash from an attempt to cover it up led to the acceleration of (*) *glasnost*. This event caused the evacuation of Pripyat, the city where it actually occurred. During it, a fireball displaced the steel-and-concrete lid and the graphite core caught on fire during removal of control rods for an experiment. For 10 points, fifty-seven direct radiation deaths were caused by what 1986 incident at a Ukrainian nuclear power plant?**

ANSWER: the Chernobyl disaster [accept Chernobyl meltdown or anything reasonable mentioning Chernobyl]

019-09-11-03105

5. **This experiment's results were deemed fraudulent by Gerard Holton; current measurements that put its results off by about one percent mean that its calculations were five standard deviations off. Its setup involved two parallel metal plates through which an (*) electric field could be created and turned on and off rapidly, allowing isolation and measure of terminal velocity. From there, Stokes' Law was used to figure out the weight. For 10 points, name this experiment that measured the charge of an electron.**

ANSWER: Millikan oil drop experiment [or Millikan experiment]

040-09-11-03106

6. This author asked "What's wrong with someone laughing as they tell the truth?" and proclaimed "there is a middle ground in things." This poet wrote lyric poems praising the beauty of Pyrrha and advising Licinius to follow the golden mean. This poet coined the expression "Homer nods" in an epistle which argues that the best epic poems begin (*) "in medias res." He created the phrase "carpe diem," or "seize the day," in the eleventh of his *Odes*. For 10 points, name this Roman poet of "Ars Poetica."
ANSWER: Horace [or Quintus Horatius Flaccus]

004-09-11-03107

7. Members of this country's nobility formed the Confederation of Targowica (TAR-go-VEET-sah). That confederation opposed this country's May Third Constitution. Attempts to support the sovereignty of this nation include the Bar Confederation and an insurrection led by Thaddeus (*) Kosciuszko (kuh-SHOES-ko). Those attempts occurred while this country was paired with Lithuania. Prussia, Austria, and Russia's partitions of this country long wiped it from the map. For 10 points, name this country that was later divided between Germany and Russia during World War II.
ANSWER: Republic of Poland [or Rzeczpospolita Polska; or Polish-Lithuanian Commonwealth]

003-09-11-03108

8. Along with John Hicks, this man developed a theory of normal backwardation in futures trading. This man led the British delegation at the Breton Woods Conference; after an earlier postwar settlement, he denounced the heavy (*) reparations placed on Germany in his *Economic Consequences of the Peace*. He introduced the concept of demand-determined economic output in a work describing how government fiscal policy could regulate extremes in business cycles. For 10 points, name this author of the *General Theory of Employment, Interest, and Money*.
ANSWER: John Maynard Keynes

003-09-11-03109

9. Dissatisfaction with this man's painting *The Martyrdom of Saint Maurice* for the Escorial ended his chances at receiving royal patronage. In one of this man's paintings, the artist's son Jorge Manuel is located on the left with a handkerchief in his pocket bearing the artist's signature. That painting shows Saints (*) Stephen and Augustine placing the title figure in a tomb. For 10 points, name this painter of *The Burial of Count Orgaz* and *View of Toledo*.
ANSWER: El Greco [or Domenikos Theotokopoulos]

030-09-11-03110

10. This figure once disguised her lover Ottar as a boar, and she owns a falcon skin that allows the wearer to transform into a bird. Her mother Skaoi is the goddess of winter and archery. The giant Thrym refused to return Mjolnir unless he was allowed to marry this figure, who rides in a chariot drawn by (*) cats. She receives half of all slain warriors in her hall, Folkvangr, and Loki once stole her necklace Brisingamen. For 10 points, identify this Norse goddess of love and beauty.
ANSWER: Freya

032-09-11-03111

11. This man was twice elected to the Senate to fill vacancies, caused by the resignations of Robert Hayne and Daniel Huger. In 1844 John Tyler nominated this man for Secretary of State; he had previously served as Monroe's Secretary of War. In an 1837 speech, this man proclaimed slavery a (*) "positive good," and in 1828 he wrote the *South Carolina Exposition and Protest*, which argued for nullification. For 10 points, name this Vice-President during Andrew Jackson's first term, who left the Cabinet in a dispute over tariffs and states' rights.
ANSWER: John Caldwell Calhoun

003-09-11-03112

12. The title subject is called the "true daughter of Old Time" who has "dragged Diana from her car" in this author's "Sonnet: To Science." This author also wrote the poem "The Haunted Palace," which appears in a short story in which (*) Roderick and his sister are killed in the title event. In another work by this author, the narrator gives himself up to three policemen after killing the "old man" and hearing a beating sound. For 10 points, name this American author of Gothic short stories such as "The Fall of the House of Usher" and "The Tell-Tale Heart."

ANSWER: Edgar Allan Poe [accept "Sonnet: To Science" before "author"]

023-09-11-03113

13. Her last performance was in *Cortege of Eagles*. She retold the story of St. Joan of Arc in *Seraphic Dialogue*. She had Isamu Noguchi design many of her sets. Her performance in *Clytemnestra* was set to music by Halim El-Dabh. She is better known for working with (*) Aaron Copland on a ballet that told of two settlers in rural Pennsylvania. For 10 points, name this American dancer who choreographed *Appalachian Spring*.

ANSWER: Martha Graham

040-09-11-03114

14. In one novel by this author, Carlo Campanati is canonized by a man who recounts his 81 years with an 81 chapter memoir. In addition to creating gay rights activist Kenneth Toomey in *Earthly Powers*, this author created a character whose face is spat upon by P.R. Deltoid, a "post-corrective advisor." In that novel, which opens at a (*) milkbar, the Beethoven's Ninth-loving Alex leads his droogs to violence and is subjected to the Ludovico Technique. For 10 points, name this British author of *Clockwork Orange*.

ANSWER: Anthony Burgess [or John Burgess Wilson]

040-09-11-03115

15. Two characters in this opera sing a duet in which they stutter due to the excitement of being reunited, shortly before Monostatos tries to destroy the temple. One of its arias, "Hell's vengeance boils in my heart," reaches a (*) high F6. Two lovers in this opera are Papageno (pa-pa-GAY-no) and Papagena (pa-pa-GAY-na). Tamino meets the The Queen of the Night, who tries to convince her daughter Pamina to kill priest Sarastro in this work. For 10 points, name this opera about an enchanted instrument, by Wolfgang Amadeus Mozart.

ANSWER: *The Magic Flute* [or *Die Zauberflöte*]

024-09-11-03116

16. Sverdrup's theory describe movement in these bodies, which experience transport and spirals named after Ekman. These bodies contain manganese nodules at their bottoms. Recently, problems have emerged with low oxygen areas in them called (*) dead zones. They can be divided into different layers, such as pelagic and abyssal. The thermohaline circulation in them helps drive their currents. For 10 points, name these very large bodies of water, examples of which include the Arctic and the Indian.

ANSWER: oceans

001-09-11-03117

17. After quickly offering peace terms at the conclusion of the Winter Siege, this man promptly broke those terms in the Summer Siege. The effect of those sieges was to remove the Toyotomi family from power. Earlier, this man had defeated the forces of Ishida Mitsunari at the Battle of (*) Sekhigahara. A Japanese poem claims that this man says to "Wait" if a bird will not sing, while Hideyoshi claims "Make it want to sing" and Oda Nobunaga suggests, "Kill it." For 10 points, name this founder of a namesake Japanese shogunate that lasted from 1603 until 1868.

ANSWER: Tokugawa Ieyasu (ee-ay-YAH-soo) [or Ieyasu Tokugawa]

003-09-11-03118

18. **One work by this thinker argues for a system of "perfect equality" and posits that freedom good for men is also good for women. This man asserted that the individual is sovereign and insists that governments follow the "harm principle" in another work. This author of *The (*) Subjection of Women* argued that all ethical principles must stem from the "greatest happiness" principle. For 10 points, name this English philosopher who wrote *On Liberty* and *Utilitarianism*.**

ANSWER: John Stuart Mill

005-09-11-03119

19. **One form of this property, named for Dirac, exists for magnetic monopoles and is symbolized g. The Cronin-Fitch experiment observed violation of symmetry between this and parity. Color is a form of this for the strong force. Kirchoff's junction rule is a consequence of (*) conservation of one form of it. For 10 points, susceptibility to fundamental forces is governed by what property, the electric variety of which is symbolized Q and measured in coulombs?**

ANSWER: charge

034-09-11-03120

20. **This lake is home to the United States' first National Lakeshore. Islands in this lake include Madeline Island, the largest of the Apostle Islands, but the largest island in this lake is a national park named (*) Isle Royale. This lake is noted for its shipwrecks around Whitefish Point, including the 1975 *Edmund Fitzgerald* sinking. The Ojibwe called this lake "big water," and it is the largest freshwater lake in the world by surface area. For 10 points, name this lake with ports of Duluth and Marquette, the largest of the Great Lakes.**

ANSWER: Lake Superior

052-09-11-03121

21. **Despite warnings from his attorney general Philander Knox, this president intervened in a major coal strike. He resided over the passage of the Elkins Act and Hepburn Act, which served as components of his (*) "Square Deal" for handling monopolies. This president replaced Garret Hobart as a vice presidential candidate and ran for a third term in 1912 under the progressive Bull Moose Party. For 10 points, name this successor of William McKinley who fought for the Rough Riders during the Spanish American War and who spoke softly and carried a big stick.**

ANSWER: Theodore Roosevelt [prompt on Roosevelt]

015-09-11-03122

1. It tells how "old age should burn at close of the day." For 10 points each:

[10] Name this poem which tells the reader to "rage, rage against the dying of the light."

ANSWER: "**Do Not Go Gentle Into That Good Night**"

[10] "Do Not Go Gentle Into That Good Night" is by this Welsh poet of "Fern Hill" and *Under Milk Wood*.

ANSWER: Dylan Marlais **Thomas**

[10] Thomas also wrote *A Portrait of the Artist as a Young Man*, an homage to a work by this author of *Dubliners*.

ANSWER: James Augustine Aloysius **Joyce**

059-09-11-03201

2. It codified the seven sacraments and rejected justification by faith alone. For 10 points each:

[10] Name this 16th century Church council that reinforced Catholic teaching in light of the Protestant Reformation

ANSWER: Council of **Trent** [or Concilium **Tridentinum**]

[10] The Council of Trent declared the canonical Bible to be this Latin translation first created by Jerome.

ANSWER: **Vulgate**

[10] The council also reaffirmed the canonicity of this proclamation of faith that was formulated at the first ecumenical council and modified at the Council of Constantinople.

ANSWER: **Nicene** Creed [or **Nicaeo-Constantinopolitan** Creed]

005-09-11-03202

3. Name some cities of Daehan-minguk, or South Korea. For 10 points each:

[10] The Han River runs through this capital of South Korea, whose investment banks are centered on Yeouido.

ANSWER: **Seoul** Special City

[10] Seoul is served by a major international airport located in this city, which was the site where UN forces landed to recover South Korea during the Korean War.

ANSWER: **Incheon**

[10] This port city, located on the Southeast coast of the Korean Peninsula, is the second largest of the country.

ANSWER: **Busan** [or **Pusan**]

034-09-11-03203

4. When the title character reunites with Tatiana in St. Petersburg, it is too late because she has already married Prince Gremin. For 10 points each:

[10] In what "novel in verse" does a superfluous man kill the poet Lensky in a duel?

ANSWER: **Eugene Onegin** [or **Yevgeniy Onegin**]

[10] *Eugene Onegin* is a work by this Russian novelist, whose shorter works include "The Stone Guest" and *The Bronze Horseman*.

ANSWER: Alexander **Pushkin** [or Aleksandr Sergeyevich **Pushkin**]

[10] This writer did a notable translation of *Eugene Onegin* in free verse, but he is better known for a novel that is centered on a fictional poem by John Shade, *Pale Fire*.

ANSWER: Vladimir Vladimirovich **Nabokov**

034-09-11-03204

5. Punctuated equilibrium is the theory that this process occurs in rapid bursts rather than in a continuous, gradual manner. For 10 points each:

[10] Name this instrument of evolution through which new organisms arise, the two famous forms of which are allopatric and sympatric.

ANSWER: **speciation**

[10] Peripatric speciation, a form of allopatric speciation in which the size of one population is significantly smaller than the other, is analogous to this form of genetic drift. It explains the high frequency of polydactylism among the Amish.

ANSWER: the **Founder Effect**

[10] This Harvard Professor came up with the idea of punctuated equilibrium with Niles Eldredge. This author of *The Mismeasure of Man* is famously at odds with Dawkins concerning the compatibility of science and religion.

ANSWER: Stephen Jay **Gould**

034-09-11-03205

6. He depicted a portrait of Louis XIV being packed away in *The Shop-Sign of Gersaint* [zher-SEHN]. For 10 points each:

[10] Name this painter of *The Embarkation for Cythera*.

ANSWER: Jean-Antoine **Watteau** [wah-TOE]

[10] Watteau was a proponent of this ornate painting style, which was supplanted by the Neoclassical in the mid-eighteenth century.

ANSWER: **Rococo**

[10] This other French Rococo artist painted *The Toilet of Venus* and a number of portraits of Madame de Pompadour.

ANSWER: François **Boucher** [boo-SHAY]

024-09-11-03206

7. For 10 points each, answer the following about significant hotels in American history.

[10] A bungled break-in at the Democratic National Committee headquarters at this hotel touched off a namesake scandal that led to Richard Nixon's resignation.

ANSWER: **Watergate** Hotel [or **Watergate** scandal]

[10] Just after midnight on June 5, 1968, this man celebrated his victory in the California Democratic Primary at the Ambassador Hotel in Los Angeles; a few hours later, he was fatally shot while walking through that hotel's kitchen.

ANSWER: **Robert Francis Kennedy** [or **Bobby Kennedy**; or **RFK**; prompt on **Kennedy**]

[10] This motel contested the constitutionality of the Civil Rights Act of 1964, but the Supreme Court used the Commerce Clause to justify that act's prohibitions on discrimination in places of "public accommodation."

ANSWER: **Heart of Atlanta** Motel [or *Heart of Atlanta Motel v. U.S.*; or *U.S. v. Heart of Atlanta Motel*]

003-09-11-03207

8. According to legend, Jo Jones once threw a cymbal at this man after he forgot the chord changes to "I Got Rhythm." For 10 points each:

[10] Name this alto saxophonist and composer of "Ornithology," who was known as "Bird."

ANSWER: Charles **Parker**, Jr. [or Charlie **Parker**]

[10] Along with Dizzy Gillespie, Parker is considered one of the founders of this jazz movement, which was characterized by fast tempos, intricate chord changes, and irregular phrasings. John Coltrane was a proponent of its "hard" variant.

ANSWER: **bebop**

[10] The "All-Star" concert at Massey Hall featured Parker, Gillespie, Bud Powell on piano, Max Roach on drums, and this composer of "Pithecanthropus (pith-a-can-THROW-pus) Erectus" and the two-hour-long "Epitaph" on bass.

ANSWER: Charles **Mingus**, Jr.

003-09-11-03208

9. This equation works for fluids with a constant density and a steady flow. For 10 points each:

[10] Name this equation of fluid dynamics that states that pressure plus one half times the density times the volume squared plus the density times gravitational acceleration times height is equal to a constant.

ANSWER: **Bernoulli's** equation

[10] Bernoulli's equation can be used to calculate this number at certain values. It is equal to the speed of an object divided by the speed of sound.

ANSWER: **Mach** number

[10] Bernoulli's principle is typically applied to a fluid with this type of flow that has a vorticity equal to zero.

ANSWER: **irrotational** flow

064-09-11-03209

10. This battle saw Frankish forces repel several cavalry charges led by Abdul Rahman. For 10 points each:

[10] Name this 732 battle in France that effectively halted Muslim expansion into Europe.

ANSWER: Battle of **Tours** [or Battle of **Poitiers**]

[10] This man commanded Frankish forces during the Battle of Tours and laid the foundations of the Carolingian Empire.

ANSWER: **Charles Martel** [or **Charles the Hammer**; prompt on **Charles**]

[10] This man argued that a Frankish loss at Tours would have guaranteed Muslim expansion deep into Eastern Europe. He also criticized Christianity in his *The Decline and Fall of the Roman Empire*.

ANSWER: Edward **Gibbon**

064-09-11-03210

11. In Spanish, this English verb can be translated in one of two ways, depending on whether the object of the verb is a person or a fact. For 10 points each:

[10] Give this English verb that can be translated as either "saber" (saw-BEAR) or "conocer" (ko-no-SAIR).

ANSWER: to **know**

[10] This English phrase denoting the ability to know how to act appropriately in almost any situation literally means "know do" in French.

ANSWER: **savoir faire**

[10] This English term denoting an expedition, often military, undertaken with the objective of gaining information, often about the enemy, is derived from the French for "recognition."

ANSWER: **reconnaissance**

003-09-11-03211

12. Name these feminist thinkers, for 10 points each.

[10] This woman argued that women only appear lesser than men because they lack education in *A Vindication of the Rights of Women*.

ANSWER: Mary **Wollstonecraft**

[10] This French feminist asserted that females are considered "Other" and that one "is not born but ... becomes a woman" in *The Second Sex*.

ANSWER: Simone de **Beauvoir**

[10] This American founded the National Organization for Women and described the "problem that has no name" that many women encountered in *The Feminine Mystique*.

ANSWER: Betty **Friedan**

005-09-11-03212

13. If a volcano erupts below one of these objects, it may create a tuya. For 10 points each:

[10] Name these giant, slow-moving masses of ice that flow across land.

ANSWER: **glaciers**

[10] Continual glacial erosion can form one of these chair-shaped valleys. If two of them erode toward each other, the result is an arete.

ANSWER: **cirques**

[10] Once enough glacial till has been deposited to form a sufficiently distinct landform, the mass of till is known by this name. They can be described as "lateral" or "terminal."

ANSWER: **moraines**

003-09-11-03213

14. The satirist Marullus was allowed to lampoon him, and he fought a war with Parthia until 166. For 10 points each:

[10] Name this emperor who co-ruled with Lucius Verus.

ANSWER: **Marcus Aurelius** Antoninus Augustus

[10] Marcus Aurelius was the author of this twelve book Stoic work.

ANSWER: **Meditations**

[10] Marcus Aurelius marks the end of this series of rulers, which began with Nerva.

ANSWER: **Five Good Emperors**

022-09-11-03214

15. The title figure recites poetry by Ossian during his last visit to his love. For 10 points each:

[10] Name this work in which the title character realizes he can never be with Lotte because she is married to Albert.

ANSWER: *The **Sorrows of Young Werther*** [or *Die **Leiden des jungen Werthers***]

[10] After realizing he can never be with Lotte, Werther uses one of these objects to kill himself. Chekhov's variety is a common term for a plot device.

ANSWER: **gun** [accept variants, like **pistol**]

[10] The Sorrows of Young Werther was by this author of the scientific work *Theory of Colors* and *Faust*.

ANSWER: Johann Wolfgang von **Goethe** (GUR-tuh)

059-09-11-03215

16. This politician's slave Charlotte Dupuy filed a suit for her freedom several years before Dred Scott did the same. For 10 points each:

[10] Name this American politician who negotiated the Missouri Compromise and the Compromise of 1850, but was less successful at winning presidential elections.

ANSWER: Henry **Clay**, Sr.

[10] Clay envisioned this mercantilist plan to build internal improvements such as roads and canals, to maintain high tariffs, and to create some sort of national bank.

ANSWER: **American System**

[10] Henry Clay's reputation was tarnished by the "corrupt bargain" people accused him of making with this president, a seasoned diplomat who negotiated the acquisition of Florida.

ANSWER: **John Quincy Adams** [prompt on "Adams"; do not accept "John Adams"]

020-09-11-03216

17. This piece of artwork depicts Florence Owens Thompson with her right hand on her chin. For 10 points each:

[10] Name this photograph of a California pea-picker comforting her children, taken during the Great Depression.

ANSWER: **Migrant Mother**

[10] *Migrant Mother* is a photograph by this Farm Security Administration employee who depicted the Depression in many of her photographs.

ANSWER: Dorothea **Lange**

[10] Lange ventured to the Manzanar camp to document Japanese internment, much like this photographer who took many black-and-white stills of Yosemite valley and the American west.

ANSWER: Ansel Easton **Adams**

026-09-11-03217

18. This man led a failed attack on the Moncada Barracks and gave the "History Will Absolve Me" speech. For 10 points each:

[10] Name this man who later traveled on the *Granma* as part of the 26th of July Movement when leading a revolution in Cuba.

ANSWER: Fidel **Castro** Ruz

[10] Castro's revolution overthrew this Cuban dictator, who had earlier overthrown the younger Carlos Manuel de Céspedes.

ANSWER: Fulgencio **Batista** y Zaldívar

[10] This Argentine revolutionary with a famous photo taken by Alberto Korda helped out Fidel Castro and was later executed trying to fight in Bolivia.

ANSWER: Ernesto **Guevara** [or **Che** Guevara]

023-09-11-03218

19. The Fraunhofer type of it occurs when the light is parallel and the distances are large. For 10 points each:

[10] Name this optical phenomena where light bends around an obstacle.

ANSWER: **diffraction**

[10] This type of diffraction occurs at shorter distances than Fraunhofer diffraction. Its namesake Frenchman also invented a lens.

ANSWER: **Fresnel** (fruh NEL)

[10] Bragg diffraction was first worked out in the interaction of this type of radiation with crystals.

ANSWER: **X-ray** [prompt on **electromagnetic** radiation; prompt on **em** radiation]

001-09-11-03219

20. This author wrote about the priest Ezuelu, who serves in Umauro, in the novel *Arrow of God*. For 10 points each:

[10] Name this author who wrote about Okonkwo, who hangs himself at the end of *Things Fall Apart*.

ANSWER: Albert Chinualumogu **Achebe**

[10] *Things Fall Apart* was originally written in this language, the official language of Nigeria.

ANSWER: **English**

[10] In Achebe's novel *No Longer at Ease*, this character, the grandson of Okonkwo, leaves his village to study in England and get a job with the colonialists.

ANSWER: **Obi** Okonkwo [prompt on **Okonkwo**]

027-09-11-03220

21. In a famous scene, he tricks his friends into whitewashing a fence for him. For 10 points each:

[10] Name this title character of an 1876 Mark Twain novel.

ANSWER: **Tom Sawyer** [accept either answer]

[10] Tom witnesses the murder of Mr. Robinson, which the perpetrator Injun Joe blames on this hapless drunk of a companion. At this man's trial, Tom testifies against Injun Joe, who flees through a window.

ANSWER: **Muff Potter** [accept either answer]

[10] Tom is infatuated with this character, the daughter of Judge Thatcher.

ANSWER: **Becky** Thatcher [or **Rebecca** Thatcher]

024-09-11-03221