

1. **This man described the homosexuality of Kochan in his work *Confessions of a Mask*. He wrote another work in which Isao (EYE-sow), Ying Chan, and Toru are all successive incarnations of Kiyaoiki, who appears in *Spring Snow*. That work by this author centers on the lawyer Shigekuni Honda. This author ended a novel with Mizoguchi's arson of the titular (*) *Temple of the Golden Pavilion*. All of those works were completed prior to this author's televised suicide by seppuku (SEH-puh-ko). For 10 points, name this Japanese author who wrote the *Sea of Fertility* tetralogy.**

ANSWER: Yukio Mishima [or Mishima Yukio; do not accept or prompt on "Yukio" by itself; or Kimitake Hiraoka; or Hiraoka Kimitake; do not accept or prompt on "Kimitake" by itself]

020-09-10-09102

2. **This man's first symphony sets poems from Whitman's *Leaves of Grass* and contains the movements "The Explorers" and "On the Beach at Night Alone". He wrote a piece for violin and orchestra based on a George Meredith poem that depicts a (*) bird rising up to the heavens. Another of this man's works was inspired by the music of the composer of the motet *Spem in alium*. For 10 points, identify this British composer of *A Sea Symphony* and *The Lark Ascending* who wrote fantasias on "*Greensleeves*" and on a *Theme by Thomas Tallis*.**

ANSWER: Ralph Vaughan Williams

029-09-10-09103

3. **This politician decried the forced removal of Ali Maher as an attack on his nation's sovereignty. After his country's defeat in a war with Israel, this man united with Muhammad Naguib to lead the Free Officers movement in a rebellion against the monarchy. Later, his undertaking of the (*) High Dam project in part caused the resulting reservoir to be named for him. His nationalization of a major waterway sparked the Suez Canal Crisis. For 10 points, name this Egyptian president and pan-Arab leader who was succeeded by Anwar Sadat.**

ANSWER: Gamal Abdel Nasser

002-09-10-09104

4. **One poem by this author opens with orders to "pile the bodies high," and to "shovel them under," to let the title substance "work." Another poem by this author of "Grass" sees the title entity coming on "little cat feet." This poet described "magnetic curses" flung by a "Player with Railroads (*) and Freight Handler to the Nation" in a work that declares a certain location the "City of the Big Shoulders" and "Hog Butcher for the World." For 10 points, name this American poet of "Fog" and "Chicago."**

ANSWER: Carl Sandburg

002-09-10-09105

5. **Its namesake suite is modeled in four layers, including those named "Link," "Transport," and "Application." Values important to this system can be represented in CIDR ("cider") notation. The newest version of this replaces ARP ("A-R-P") with a procedure called (*) "Neighbor Discovery" and also allows strings of zeroes to be represented by double colons. That new version, its sixth, also uses a 128-bit system for its namesake addresses. For 10 points, identify this network addressing protocol commonly paired with TCP.**

ANSWER: IP [or Internet Protocol; accept TCP/IP or Transmission Control Protocol/Internet Protocol before "newest version" is read]

029-09-10-09106

6. **This ruler was betrayed by Andrei Kurbsky in the Livonian War, leading to a fear of aristocrats that encouraged him to form a secret police, whose insignia was a dog's head and broom, called the Oprichniki (OP-reech-NEE-kee). This man's murder of Dmitri ended the Rurik line and resulted in the (*) Time of Troubles.** Initially the Grand Prince of Moscow, he was the first man to take a broader title. For 10 points, name this first tsar of Russia, who was known for his iron-fisted rule.

ANSWER: Ivan the Terrible [or Ivan IV Vasilyevich; or Ivan Chetvyorty; or Ivan Grozny; prompt on Ivan]

022-09-10-09107

7. **It is the result of the BPP formula and Machin-like formulas. Divided by four, it is equal to the Gregory series. When dividing it by two, it is the answer to Buffon's needle problem. It is multiplied times i in Euler's (OY-lurz) identity. Lindermann proved that it is (*) transcendental, implying that the circle cannot be squared.** It is equal to 180 degrees divided by one radian. For 10 points, name this number, equal to the ratio of a circle's circumference and its diameter, and symbolized by a Greek letter.

ANSWER: π

001-09-10-09108

8. **This state is the namesake of an outdated alternate name for francium. A man from this state kills Trampas in a duel and marries the schoolteacher Molly Wood in a novel by Owen Wister. A plan calling for representation in the U.S. legislature to be (*) proportional to population was introduced at the Constitutional Convention by delegates from this state.** During a 2006 Senate race in this state, the Republican incumbent lost in part due to using an ethnic slur against a Jim Webb campaign volunteer. For 10 points, name this "Old Dominion" and "mother of Presidents."

ANSWER: Commonwealth of Virginia

003-09-10-09109

9. **This god threw himself onto a funeral pyre and then became the planet Venus. He mixed the bones from the previous four worlds with his own blood to create humanity. The twin brother of this god is a dog-faced lightning deity named (*) Xolotl (SHO-lot-el).** This god was once exiled by the "smoking mirror" Tezcatlipoca (TEZ-kat-lee-poe-kah). Because this god had light skin and a light beard, believers made the grave mistake of confusing this feathered serpent with Hernan Cortes (cor-TEZ). For 10 points, name this chief deity of the Aztecs.

ANSWER: Quetzalcoatl (ket-ZAL-co-ahh-tl)

004-09-10-09110

10. **Changing this situation to make the reward worth more than the temptation creates a stag hunt, which has two Nash equilibria as compared to one for this situation. Merrill Flood, Melvin Dresher, and Robert (*) Axelrod were among the scholars who studied this scenario as applicable to nuclear arms.** The "tit for tat" strategy is one approach to this situation. For 10 points, identify this fundamental game theory problem, in which two suspects must each choose to defect or cooperate.

ANSWER: the prisoner's dilemma

019-09-10-09111

11. **The distance from a hydrogen atom nucleus that an electron is most likely to be found is known as this man's namesake radius. This man posited that simultaneous wave-particle duality was impossible to observe as part of the (*) Copenhagen interpretation of quantum mechanics he created with Heisenberg (HIGH-zuhn-buhrg).** This man's model of the atom modified that of Rutherford. For 10 points, name this physicist who posited that atoms consist of negatively charged electrons that follow circular orbits around a dense, positively charged nucleus.

ANSWER: Niels Bohr

058-09-10-09112

12. **The only work by this painter that is permanently held in the United States is his portrait of Ginevra di Benci (jih-NAVE-ruh dee BEN-chee). In another work, he depicted the angel Uriel holding the infant John the Baptist, who is ushered towards the infant Christ by Mary. This artist of *Lady with an Ermine* used the *sfumato* (sfoo-MAH-toe) style to paint his works. This artist of (*) *Virgin of the Rocks* traced out ideal human proportions in his sketch of the *Vitruvian Man*. For 10 points, name this artist who also painted the enigmatically smiling *Mona Lisa*.**

ANSWER: Leonardo da Vinci [or Leonardo di ser Piero da Vinci]

060-09-10-09113

13. **During this war, Phineas Riall declared "Those are regulars, by God!" Congreve rockets were used during the Battle of Bladensburg in this war. Oliver Perry declared "We have met the enemy and they are ours" after the Battle of (*) Lake Erie during this war. It was instigated due to the impressment controversy and the "land hunger" of the "War Hawks." It included the burning of the White House, and was ended by the Treaty of Ghent. For 10 points, name this war between the U.S. and Britain, which began in the namesake year.**

ANSWER: War of 1812

015-09-10-09114

14. **One of this author's fictional characters watches dead rats pile up, treats Father Paneloux, and stays in contact with his wife, who left Oran. In an essay, this author confronts the absurdity of existence by referencing a Greek figure who rolled a rock up a hill in *The* (*) *Myth of Sisyphus*. In one of this novels, a character learns his mother has died and shoots an Arab on the beach. Protagonists created by this author include Dr. Rieux (ree-OO) and Meursault (mer-SOH). For 10 points, name this French existentialist who wrote *The Plague* and *The Stranger*.**

ANSWER: Albert Camus (ca-MOO)

063-09-10-09115

15. **This composer wrote about Don Magnifico trying to arrange a marriage to Ramiro for Clorinda or Tisbe, the stepsisters of the title character, Cinderella. This composer created an opera in which the title character repeats his own name in "Largo al Factotum" and Doctor Bartolo's ward marries Count (*) Almaviva. He wrote about a revolt against Gesler by a Swiss patriot in an opera that involves an apple on Jemmy's head that must be shot off. For 10 points, name this composer of *The Barber of Seville* and *William Tell*.**

ANSWER: Gioachino Antonio Rossini

019-09-10-09116

16. **When this classification is different for a fetus and its mother, HDN can occur, and must be treated with Rho(D) immune globulin. This classification system is determined by whether (*) A or B antigens are present; if both are not, the person in question is an "O." For 10 points, name this classification system that governs which donors provide fluids for transfusion.**

ANSWER: blood type [or blood group; prompt on blood]

026-09-10-09117

17. **A central symbol of this religion is a hand with a wheel on its palm. One sect of this religion requires that members be "sky-clad," or nude, and the other sect believes that the figure Mallinath was female. This religion, which is divided into the (*) Svetambara (sh-VET-ahm-bara) and Digambara (DEE-gam-bara) sects, venerates twenty-four "ford-builders" or tirthankaras (TEAR-than-karas), including the final one, Mahavira. For 10 points, name this Indian religion which emphasizes ahimsa, or nonviolence.**

ANSWER: Jainism

022-09-10-09118

18. **This author noted that "When one is tired of London, one is tired of life," and claimed that "Patriotism is the last refuge of the scoundrel." This writer was the first to refer to John Donne and his contemporaries as the metaphysical poets in his work (*) *Lives of the Most Eminent English Poets*. This man wrote one work about a trip he took to Scotland with a friend. A biography about this man was written by that friend, James Boswell. For 10 points, name this English author of the *Dictionary of the English Language*.**

ANSWER: Samuel **Johnson**

045-09-10-09119

19. **A New Year's Eve tradition in this city is to eat twelve grapes at the Puerta del Sol. Upon gazing upon this city's ornate Segovia Bridge, one figure suggested either selling the bridge or buying a new river. Though it sits on the banks of the tiny Manzanares, it boasts such attractions as a former hospital that became the Queen Sofia Museum and the Las Ventas (*) bullfighting ring. This city was originally a fortress defending Toledo (toe-LAY-doh), and was chosen as capital for its neutrality. For 10 points, name this home to the Prado and capital of Spain.**

ANSWER: **Madrid**

019-09-10-09120

20. **In honor of his perseverance in traveling upriver, this man was given the name "Bula Matari" (BOO-luh mah-TAH-ree), meaning "Breaker of Rocks." This Welsh-born man became a journalist after fighting in the American Civil War. The *New York Herald* financed his 1874 expedition to trace the course of the (*) Congo River, three years after his journey to locate a missing Scottish missionary. He found the missionary several months later, in poor health, at Lake Tanganyika (tahn-gahn-YEE-kuh). For 10 points, what explorer reportedly uttered the greeting "Dr. Livingstone, I presume"?**

ANSWER: Henry Morton **Stanley** [or John **Rowlands**]

045-09-10-09121

21. **A meeting in this city set the precedent of allowing "Minority Treaties" at the Paris Peace Conference. One meeting in this city officially recognized the independence of Romania, Serbia, and Montenegro. The colonizing efforts of Pierre de Brazza prompted another meeting in this city, which began a "Scramble." That (*) 1884 conference in this city regulated Europe's colonization of Africa. In 1878, a congress here signed a treaty to amend the Treaty of San Stefano. For 10 points, name this city that was the center of the Weimar Republic and is now the capital of Germany.**

ANSWER: **Berlin**

026-09-10-09122

1. This building is located at 709 Chestnut Street. For 10 points each:

[10] Name this ten-story building that was co-designed by Dankmar Adler. It is in Saint Louis, Missouri.

ANSWER: the **Wainwright** Building

[10] Along with Chicago's Home Insurance Building, the Wainwright building was among the first buildings to be called this name, now applied to most tall buildings that change their city's skyline.

ANSWER: **skyscrapers**

[10] The Wainwright Building was designed by this partner of Dankmar Adler who coined the maxim "form follows function."

ANSWER: Louis Henri **Sullivan**

026-09-10-09201

2. At the end of this work, a rock formation forces Dr. Aziz and Cecil Fielding to take separate routes on their horses. For 10 points each:

[10] Name this novel in which Adela Quested accuses Dr. Aziz of attempting to rape her in the Marabar Caves.

ANSWER: ***A Passage to India***

[10] *A Passage to India* was written by this British author who wrote about the title character's homosexual relationship with Alec Scudder in his novel *Maurice*.

ANSWER: Edward Morgan **Forster**

[10] E.M. Forster also wrote this novel in which Ruth Wilcox tries to will the title farmhouse to Margaret Schlegel on her deathbed.

ANSWER: ***Howards End***

030-09-10-09202

3. This man sent 160 packages to random residents of Omaha, Nebraska. For 10 points each:

[10] Name this Yale psychologist, who also used fake electric shocks as part of his "obedience to authority" experiment.

ANSWER: Stanley **Milgram**

[10] Milgram's packages were designed to test this other theory, about the maximum number of connections needed to reach from any one person in the U.S. to any other.

ANSWER: **small world** theory [or **six degrees of separation** theory]

[10] This Milgram experiment used the U.S. mail to measure the effect of social stigma on the likelihood of the namesake objects being returned to their addressees.

ANSWER: **lost letter** experiment

019-09-10-09203

4. His brother Tostig helped him defeat the Welsh leader Gruffyd. For 10 points each:

[10] Name the ruler who won the Battle of Stamford Bridge against Harold Hardrada.

ANSWER: **Harold II** [or **Harold Godwinson**]

[10] Harold lost this 1066 battle fought on Senlac Ridge. This engagement, which is pictured on the Bayeux Tapestry, ushered in Norman rule of England.

ANSWER: The Battle of **Hastings**

[10] This son of a tanner's daughter defeated Harold's housecarls at Hastings and was crowned in Westminster Abbey. This king commissioned the Domesday Book to survey his new holdings.

ANSWER: **William the Conqueror** [or **William I**]

063-09-10-09204

5. One type of these metals can be classified as "martensitic," "ferritic," or "austenitic" depending on the amount of chromium and nickel content. For 10 points each:

[10] Name these metals that are produced by adding other elements to pig iron.

ANSWER: **steels**

[10] Steel is a kind of this material, which is made up of more than one metallic element. Other examples include bronze and brass.

ANSWER: **alloy**

[10] The first mass production of steel came after the introduction of this process, which uses an air blast to remove impurities and maintain high temperatures.

ANSWER: **Bessemer** process

003-09-10-09205

6. This man raised Eutychus from the dead. For 10 points each:

[10] Name this figure from the New Testament, who was converted to Christianity on the road to Damascus. He wrote numerous epistles like Romans, Corinthians, and Ephesians.

ANSWER: **Paul** (or **Saul**)

[10] Paul wrote two epistles to this former assistant of his. Paul instructed this man how to run a church. One of the epistles named after this man states "the love of money is a root of all kinds of evil."

ANSWER: **Timothy**

[10] This traveling companion of Paul was known as the "son of encouragement." He was replaced by Silas as a companion after a disagreement about the skills of Mark.

ANSWER: **Barnabas**

052-09-10-09206

7. In December 2009, she filed a motion for sole custody of her son. For 10 points each:

[10] Name this abstinence spokeswoman and eldest daughter of the former Governor of Alaska.

ANSWER: **Bristol Palin** [prompt on **Palin**]

[10] Bristol Palin ended her engagement to this future magazine model shortly after the birth of the couple's son.

ANSWER: Levi **Johnston**

[10] Unsubstantiated rumors during the 2008 campaign alleged that this publicly acknowledged son of Bristol and Levi was actually Bristol's second child.

ANSWER: **Tripp** Palin [prompt on **Palin**; prompt on **T. Palin**; do not accept "Trig Palin"]

002-09-10-09207

8. Two women reflect on the consequences of their scheming for Delphin Slade in this author's psychological short story "Roman Fever." For 10 points each:

[10] Name this author of novels about the conflicted loyalties of 1900s upper-class New Yorkers, such as *The Age of Innocence* and *The House of Mirth*.

ANSWER: Edith Newbold Jones **Wharton**

[10] One of Wharton's novels that is not set in New York is this story of a man who crashes a sled after falling in love with his wife's cousin Mattie Silver; it takes place in Starkfield, Massachusetts.

ANSWER: **Ethan Frome**

[10] Wharton's preface to *Ethan Frome* suggests that the novel was a pessimistic counterpoint to this other female author's praise of rural Maine life in *The Country of the Pointed Firs*.

ANSWER: Theodora Sarah Orne **Jewett**

019-09-10-09208

9. This property was discovered by Heike Kamerlingh Onnes. For 10 points each:

[10] Name this property by which a liquid loses all resistance to flow.

ANSWER: **superfluidity**

[10] This "fifth phase" of matter, named for two scientists, exists at temperatures close to absolute zero and can be associated with superfluid-like properties.

ANSWER: **Bose-Einstein** condensate

[10] This point named for a Greek letter is the point at which helium-4 becomes a superfluid.

ANSWER: **lambda** point

001-09-10-09209

10. For 10 points each, answer the following about the Roaring Twenties.

[10] The passage of the Eighteenth Amendment began this period, in which the manufacture and sale of alcohol was banned, though speakeasies still quenched the public's thirst.

ANSWER: **Prohibition**

[10] During the 1920s, conservatives were shocked by the clothes and actions of these women, who wore bobbed haircuts, makeup, and knee-length skirts, smoked publicly, and attended petting parties.

ANSWER: **flappers**

[10] Flappers performed this popular dance, which involves stepping back with one foot and kicking the other foot while swinging one's arms wildly. The Lindy Hop is a variation of it.

ANSWER: the **Charleston**

004-09-10-09210

11. An essay on the "principles" of this language compares its native speakers to people who have never heard of chess. For 10 points each:

[10] Name this fictitious language whose A, B, and C vocabularies are spoken by the inhabitants of Oceania under the rule of Ingsoc.

ANSWER: **Newspeak**

[10] Newspeak, Oceania, and Ingsoc were created by George Orwell for this novel, which depicts Winston Smith's experiences under the totalitarian regime of Big Brother during the namesake year.

ANSWER: **1984**

[10] In *1984*, Winston is led to believe that this Inner Party member belongs to the revolutionary Brotherhood, but this character turns out to be Winston's torturer at the Ministry of Love.

ANSWER: **O'Brien**

019-09-10-09211

12. In 1905, this country's parliament, the Storting, declared its independence from Sweden. For 10 points each:

[10] Name this Scandinavian country which executed its World War Two leader Vidkun Quisling for collaborating with the Nazis.

ANSWER: **Norway** [or **Norge**]

[10] This medieval Norse explorer founded the settlement of Vinland in modern-day Newfoundland in approximately 1000 CE, making him the first European to encounter North America.

ANSWER: Leif **Erikson** [or **Leif** Erikson]

[10] From 1396 to 1536, Norway joined Sweden and Denmark in this league of Scandinavian kingdoms established by Norway's Queen Margaret.

ANSWER: **Kalmar Union**

004-09-10-09212

13. This work depicts three sons taking three swords from their father's outstretched hand. For 10 points each:

[10] Name this neoclassical work in which women weep to the right in a scene that takes place during the Roman Republic.

ANSWER: *The **Oath of the Horatii*** [or *Le **Serment des Horaces***]

[10] This French neoclassicist, who also depicted contemporary events in *The Tennis Court Oath* and *The Death of Marat* (mar-AH), painted *The Oath of the Horatii*.

ANSWER: Jacques-Louis **David**

[10] David also depicted sorrowful women in a painting showing this man sitting in shadow, as lictors bring him the bodies of his sons, who had tried to restore the Roman Republic.

ANSWER: Lucius Junius **Brutus** [accept *The Lictors Bring to **Brutus** the Bodies of His Sons*]

026-09-10-09213

14. This organ is served by divisions of the trachea (TRAY-key-uh) called bronchi (BRAWN-kye), which divide into bronchioles (BRAWN-key-oles). For 10 points each:

[10] Name these organs used in breathing.

ANSWER: **lungs**

[10] The lungs are degraded in this disease, which can cause air to be trapped in the lungs. One type of it results from smoking.

ANSWER: **emphysema**

[10] Blood provided to this organ by the pulmonary artery exchanges oxygen for carbon dioxide in this functional unit of the lung.

ANSWER: **alveolus** [or **alveoli**]

022-09-10-09214

15. Among this man's children are Hel and the Midgard serpent. For 10 points each:

[10] Name this Norse trickster god.

ANSWER: **Loki**

[10] Loki also gave birth to this eight-legged horse ridden by Odin.

ANSWER: **Sleipnir**

[10] After an encounter with Freya, Loki got into an argument with this Norse god of seafaring and fishing, whom Skadi chose for a husband after looking at his feet.

ANSWER: **Njordr**

064-09-10-09215

16. Name the following from Peruvian history, for 10 points each.

[10] These peoples of Peru worshiped Viracocha and ruled the Kingdom of Cuzco until Pizarro conquered their leader, Atahualpa.

ANSWER: the **Incas** [accept **Incans**]

[10] The Spanish prized Peru for its reserves of this material, which was extracted in mass quantities from the Potosi mine in Bolivia.

ANSWER: **silver** [accept **Ag**; or **argentum**; or **plata**]

[10] This Marxist rebel group of modern-day Peru was founded by Abamael Guzman, and officially calls itself the "Communist Party of Peru."

ANSWER: the **Shining Path** [accept el **Sendero Luminoso**]

026-09-10-09216

17. A medieval poet from this country asked "where are the snows of yesteryear?" and a later poet from this country wrote the line "A black, E white, I red, U green, O blue." For 10 points each:

[10] Name this home country of the troubadour Villon and the author of "Sonnet of the Vowels," who had a tempestuous relationship with Paul Verlaine.

ANSWER: **France** [or **French Republic**; or **Republique Francaise**]

[10] This writer of "Sonnet of the Vowels" also created "The Drunken Boat" and "A Season in Hell" during his time with Paul Verlaine.

ANSWER: Jean Nicholas Arthur **Rimbaud** (rom-BO)

[10] "Benediction" and "The Albatross" were among the poems written by this other nineteenth-century French poet in his landmark collection *The Flowers of Evil*.

ANSWER: Charles Pierre **Baudelaire**

019-09-10-09217

18. This composer's music includes the *Diabelli Variations* and "Rage Over a Lost Penny." For 10 points each:

[10] Name this composer of "Für Elise" (e-LEE-suh).

ANSWER: Ludwig van **Beethoven**

[10] Beethoven composed thirty-two of these pieces, including ones known as "Tempest," "Waldstein," and "Appassionata." His eighth is nicknamed "Pathétique."

ANSWER: **piano sonatas** [prompt on partial answer]

[10] Beethoven's thirty-second piano sonata is written in this key, which is also the key of his fifth symphony.

ANSWER: **C minor**

004-09-10-09218

19. They are an example of speleothems. For 10 points each:

[10] Name these formations of minerals, often calcium carbonate, that hang from the top of caves and sometimes meet stalagmites to form columns.

ANSWER: **stalactites**

[10] Caves are often found in this type of topography, in which dissolvable rock, such as limestone, produces many caves and sinkholes.

ANSWER: **karst** topography

[10] Karst topography can also be associated with rocks with this calcium-magnesium-carbonate mineral, whose namesake group includes ankerite.

ANSWER: **dolomite**

001-09-10-09219

20. For 10 points each, name these cities in Texas.

[10] This city is the largest in the Texas Panhandle, and this city's airport makes it impossible to traverse the entirety of the original Route 66.

ANSWER: **Amarillo**

[10] This most populous city in Texas constantly battles Los Angeles for the title of "America's Smoggiest City."

ANSWER: **Houston**

[10] This headquarters of the Navy of the Republic of Texas was destroyed by a 1900 hurricane.

ANSWER: **Galveston**

003-09-10-09220

21. In "The Argentine Writer and Tradition," this man attacked *Don Segundo Sombra* for using too many local references. For 10 points each:

[10] Name this former Argentine Inspector of Poultry and Rabbits in the Public Markets, who created such characters as Ireneo Funes, "the Memorious," and Pierre Menard, the "Author of *Don Quixote*."

ANSWER: Jorge Luis **Borges**

[10] Both Ireneo Funes and Pierre Menard were introduced in this collection of Borges short stories, whose first part, "The Garden of Forking Paths," is titled after a detective story in that collection.

ANSWER: ***Ficciones***

[10] Borges worked at one of these institutions during his early career. He fictionalized those cataloguing experiences in a story about one of these that contains an indefinite number of hexagonal galleries.

ANSWER: **library**

003-09-10-09221