



1. In one myth, this figure is killed by a stingray-tipped spear. The gifting of armor to this man caused Telamonian Ajax to kill himself upon his sword. This figure built his bed from an olive tree rooted to the ground, knowledge that only he and his wife possess. Hermes gave this figure the herb moly to resist an enchantress. He is the son of (*) Laertes (lay-ER-teez) and father of Telemachus. For 10 points, identify this cunning Greek king of Ithaka who sailed home for ten years after the Trojan War.
ANSWER: Odysseus

126-12-69-12101

2. This man was derided for including over-the-top lines like "cedant arma togae" in his terrible epic poem about his own consulship. He mockingly referred to "that woman's lover; I'm sorry, I meant to say 'brother'" in a denunciation of Clodia's immorality. He was a hero to Petrarch, who discovered a collection of his letters written to Atticus. He targeted (*) Marc Antony with his *Philippics* and exclaimed "Oh times! Oh morals!" in the first of a series of attacks against Catiline. For 10 points, name this great orator from ancient Rome.
ANSWER: Marcus Tullius Cicero [or Marcus Tullius Cicero; or Tully]

080-12-69-12102

3. One Representative from this state had ads run against him by Randall Terry-associate Gary Boisclair (BOY-clare) questioning his religion and his stance on abortion. That Representative from this state was accused of having ties to the (*) Muslim Brotherhood by another Representative from this state, who came under fire for allegations she made against Huma Abedin. For 10 points, name this Midwestern state that is home to U.S. Representatives Keith Ellison and Michele Bachmann.
ANSWER: Minnesota

023-12-69-12103

4. A group of armed women rioting over bread prices marched on this building in 1789. The Duke of Saint-Simon chronicled life at this location, which he claimed was a "gilded cage" for the nobility. In 1870, this building hosted the coronation of Wilhelm II and the proclamation of the German Empire. Originally a hunting lodge, this building was enlarged by (*) Louis Le Vau and Charles Le Brun, and its central gallery was the Hall of Mirrors. For 10 points, name this royal palace built by Louis XIV.
ANSWER: Palace of Versailles

080-12-69-12104

5. A recurring motif in this composition originated in the composer's cantata *Herminie*. The composer recycled material from his unfinished opera *Les Francs-Juges* in a movement concluding with a musical representation of the artist's beheading. Inspired by the composer's unrequited love for (*) Harriet Smithson, this piece includes such movements as "A Ball" and the fifth and final movement, "Dream of a Witches' Sabbath." For 10 points, name this programmatic symphony composed by Hector Berlioz.
ANSWER: Symphonie Fantastique

014-12-69-12105

6. One theory of these materials predicts that the isotopes used have an effect on T sub C. In these materials, electrons condensates into Cooper pairs and act like bosons according to BCS theory. They act as perfect magnetic reflectors according to the Meissner effect, and they exhibit a certain property below the (*) critical temperature. The yttrium-based YBCO is an example of a "high temperature" one. For 10 points, name these materials that have zero electrical resistance at extremely low temperatures.

ANSWER: superconductors [accept superconductivity and other word forms]

196-12-69-12106

7. At one of these events, AIDS victim Bob Hattoy noted that, "The gay and lesbian community is a family in the best sense of the word." Barbara Jordan gave keynote speeches at these events in 1976 and 1992. At another of these events, Ann Richards said, "Poor George. He can't help it. He was born with a (*) silver foot in his mouth," and Ted Kennedy asked, "Where was George?" For 10 points, name these quadrennial events that have resulted in the nomination of people such as Adlai Stevenson, John Kerry, and Barack Obama.

ANSWER: Democratic Conventions [or Democratic National Conventions; or DNCs]

030-12-69-12107

8. A woman in this work tells an orphan that losing one parent is a misfortune, but "to lose both looks like carelessness." Another character in this play makes up excuses to go out to the country by inventing a sick friend named Bunbury. At the end of this play, Miss (*) Prism reveals that she once left a baby in a handbag at a train station, revealing that Lady Bracknell's lost nephew is Jack Worthing. For 10 points, name this Oscar Wilde comedy in which Jack is revealed to have had the title name all along.

ANSWER: *The Importance of Being Earnest*

080-12-69-12108

9. This artist painted two similar women sitting across from one another at a table by a window, sharing a teapot. This artist's wife Jo titled his most famous painting after a beak-nosed figure in it. That painting depicts a row of windows on a building the same shade of mahogany as the triangular (*) counter occupied by a man in white. This artist of *Chop Suey* is known for his lonesome urban scenes, such as one in which a restaurant boasts an ad for five-cent Phillies cigars. For 10 points, name this American artist of *Nighthawks*.

ANSWER: Edward Hopper

141-12-69-12109

10. This hormone is activated by five-alpha reductase into its dihydro form, and during development this hormone is responsible for maintaining the Wolffian duct. It requires 17-beta-HSD for its synthesis. This hormone is produced in response to LH in Leydig cells. Among its effects are the development of (*) axillary and beard hair, and it is produced in the testes. For 10 points, name this steroid sex hormone responsible for developing the male reproductive system.

ANSWER: testosterone

048-12-69-12110

11. The town of St. Goar is one of five along this river that hosts a firework parade called "[this river] in flames." Several boat accidents near a rock in this river have given rise to legends of a Siren-like maiden who leads sailors to their death, known as the "Loreley." The tallest Catholic cathedral in the world is located by this river in the city of (*) Cologne. The land surrounding both banks of this river was demilitarized after World War I. For 10 points, name this European river that flows from the Swiss Alps to the Netherlands through Germany.

ANSWER: Rhine [do not accept "Rhone"]

020-12-69-12111

12. Entering this status may result in a property transfer known as "mahr." One form of this status is contracted for only a temporary period and is known as "mutah." The "talaq" and the "khula" are different ways to end this status, with the "talaq" requiring three repetitions of a certain (*) phrase. This status is known as "nikah" in Sharia, and a man may engage in it up to four simultaneous times. The "misyar" form of this practice excludes any cohabitation and gives more freedom to the woman. For 10 points, identify this status which Muslim men and women may enter together.

ANSWER: Islamic marriage [or nikah before it is read]

019-12-69-12112

13. In the 7th Canto of the *Inferno*, Virgil scolds Dante for not understanding that this woman is one of the Divine Intelligences. She is presented as having two faces in Boethius's *Consolation of Philosophy*. A Goliardic poem addressed to her laments, "Always you (*) wax and wane" and calls her "variable like the moon." This woman, whom Virgil claimed "favors the bold," is depicted on the cover of the *Carmina Burana* with her wheel. For 10 points, name this personification of luck.

ANSWER: Fortune [or Fortuna; or Lady Luck before it is read]

080-12-69-12113

14. The final attempt to forestall this action involved targeting "aggressive" people and giving them a special stamp revoking their citizenship. The Monday demonstrations started two months before this event. Following this event, people came to the site where it occurred with sledgehammers in order to collect souvenirs. This event was called for in a (*) Reagan speech directly addressed to "Mr.

Gorbachev." For 10 points, name this 1989 event that toppled an oppressive barrier in the German capital.

ANSWER: fall of the Berlin Wall [accept equivalent answers such as opening of the Berlin Wall; do not accept or prompt on "German reunification"]

020-12-69-12114

15. This economist's *Essays in Persuasion* include his lecture, "Am I a Liberal?" This economist argued against the reinstitution of the gold standard by Winston Churchill, and he opposed the Treaty of (*) Versailles in *The Economic Consequences of the Peace*. Another work by this economist advocated deficit spending during recessions. For 10 points, name this British economist, the author of *The General Theory of Employment, Interest, and Money*.

ANSWER: John Maynard Keynes

196-12-69-12115

16. A spire marked "JHS" rises from the roof of one of this architect's buildings, representing St. George's lance piercing a dragon. This designer of the Casa Batllo used a biomorphic, undulating design for an apartment building nicknamed "the Quarry." He also designed a church with vaults inspired by tree branches and "Nativity," "Passion," and "Glory" facades; that still (*) unfinished church has 18 spires. For 10 points, name this architect whose Casa Mila and Sagrada Familia are located in Barcelona.

ANSWER: Antoni Gaudi [accept Casa Batllo before "this architect"]

193-12-69-12116

17. The t-test can be used to find the probability that this value is the same for two populations. For continuous distributions, it equals the integral of x times the probability density function, making it the first moment. This value for a population is usually represented as mu, while the sample type is represented by (*) x-bar. The law of large numbers states that as the sample size increases, the sample type will approach the population type. For the standard normal distribution, this value is zero. For 10 points, name this type of average, that equals the sum of sample values divided by the sample size.

ANSWER: mean [or expected value; prompt on average]

080-12-69-12117

18. **The Second Lateran Council banned the use of this weapon against Christians. One of these weapons was used to kill Richard the Lionheart. This weapon was a favorite of the Genoese mercenaries hired by France at Crecy, where they failed due to the rain. This weapon required only a week's worth of training and could pierce through armor, but it had a (*) short range, which hurt its use by the French at the Battle of Agincourt. For 10 points, name this mechanical weapon of the Middle Ages that competed with the longbow.**

ANSWER: crossbows [or arbalests]

080-12-69-12118

19. **In one equation, e is raised to the power of this value over the temperature and the ideal gas constant. That equation using this value solves for the rate constant of a reaction and is named for Arrhenius. A (*) catalyst allows for a lower value of this quantity in a reaction. Once molecules surpass this barrier, they can collide with other molecules and form new bonds. For 10 points, name this quantity often symbolized "E sub a" that is the level of kinetic energy needed for a reaction to occur.**

ANSWER: activation energy

023-12-69-12119

20. **In one poem by this author, "the child's cry melts in the wall" while the speaker proclaims that she is "the arrow" hauled through the air. That poem opens by describing "stasis in darkness." She claimed to have "nine times to die" in a poem in which she rises with red (*) hair and eats men "like air." Married to fellow poet Ted Hughes, this author of a novel about Esther Greenwood committed suicide. For 10 points, name this confessional poet of "Lady Lazarus," "Daddy," and *The Bell Jar*.**

ANSWER: Sylvia Plath

040-12-69-12120

21. **The only two deaths at this site were the result of a misfired cannon and a one hundred shot salute. The garrison at Fort Moultrie transferred to this site, which was reinforced by the steamship *The Star of the West*. Abner Doubleday fired a shot in defense of this site, where two companies led by Major Robert Anderson were garrisoned. P.G.T. (*) Beauregard ordered the assault upon this site on an island in Charleston Harbor. For 10 points, name this fort where the first shots of the Civil War were fired.**

ANSWER: Fort Sumter

020-12-69-12121

22. **The "Xeno" form of this organism has humanized antibody genes, and common strains of them include BALB/c. Cre-Lox gene targeting was developed to create knockouts in these organisms, which have 20 chromosomes. Among the tests they are subjected to include (*) ear-clipping for genetic samples, and transgenic ones are used to model diseases for first round drug testing. For 10 points, name these common laboratory animals, whose cognitive ability is tested using mazes.**

ANSWER: mouse [or Mus musculus or M. musculus; do NOT accept rat]

048-12-69-12122

23. **The narrator of this novel decides to transfer to Harvard after spending two years at the university in Lincoln with Lena. After she is abandoned in Colorado, this novel's title character manages to hide her pregnancy until giving birth. In this novel, the narrator spends twenty years as a (*) lawyer in New York before returning to visit the title character and her family in Nebraska. For 10 points, name this novel by Willa Cather in which Jim Burden remembers the title Bohemian girl.**

ANSWER: My Antonia

105-12-69-12123



1. This country financed explorers like Bartholomeu Dias, who sailed around the Cape of Good Hope, and Vasco da Gama, the first European to reach India by sea. For 10 points each:

[10] Name this country that also dispatched Pedro Alvares Cabral, the discoverer of Brazil.

ANSWER: **Portugal** [or **Portuguese Republic**; or **Republica Portuguesa**]

[10] This son of John I of the Aviz Dynasty helped establish Portugal's eminence in the Age of Discovery by sending out men like Gil Eanes, the first modern European to round Cape Bojador.

ANSWER: **Henry the Navigator** [or **Henrique o Navegador**; prompt on **Henry**]

[10] The Portuguese developed this ship to explore the African coast. Columbus' *Niña* and *Pinta* were this kind of light ship, which could sail into the wind.

ANSWER: **caravels** [or **caravela**]

080-12-69-12201

2. This man was played by Jimmy Stewart in a 1953 biopic. For 10 points each:

[10] Name this trombonist and band leader who composed "Sunrise Serenade" and who was lost at sea while flying from London to Paris in a military flight during World War II.

ANSWER: Glenn **Miller**

[10] Miller was a major figure in this era of American music popular in the 1930s and 40s. Benny Goodman was regarded as the "king" of this style, which uses the double bass and drums to form a strong rhythm section.

ANSWER: **swing**

[10] This earlier artist of "It Don't Mean a Thing (If It Ain't Got that Swing)" was nicknamed the "Duke."

ANSWER: Edward Kennedy "Duke" **Ellington**

030-12-69-12202

3. In 2012, this religious group elected its first African-American president. For 10 points each:

[10] Name this largest Protestant religious organization in the United States that Jimmy Carter was once a member of.

ANSWER: **Southern Baptist Convention** or **SBC**

[10] The SBC believes that baptism is valid only if the subject is fully immersed in this substance.

Churches that practice infant baptism usually pour this substance onto children from small baptismal fonts.

ANSWER: holy **water**

[10] Men within the SBC can be ordained as either pastor or this position, that serves as an assistant to the pastor in both liturgical and administrative duties. Stephen, the first martyr, is usually said to have been one.

ANSWER: **deacon**

005-12-69-12203

4. Sophocles long ago heard “the eternal note of sadness” according to this poem, whose authorship is the subject of an Anthony Hecht poem. For 10 points each:

[10] Name this poem that describes “a darkling plain...where ignorant armies clash by night.”

ANSWER: “**Dover Beach**”

[10] This British poet wrote “Dover Beach,” “The Scholar-Gipsy,” and “Isolation: To Marguerite.”

ANSWER: Matthew **Arnold**

[10] In this notable essay, Matthew Arnold divided Victorian society into barbarians, philistines, and the populace.

ANSWER: “**Culture and Anarchy**”

079-12-69-12204

5. These entities are formed after a massive star reaches the end of its life. For 10 points each:

[10] Name these stellar objects, whose gravitational pull is so strong that light cannot escape.

ANSWER: **black holes**

[10] This boundary of a black hole is the point of no return. The ergosphere surrounds this boundary, and an observer cannot see what happens beyond it.

ANSWER: **event horizon**

[10] This theorem states that mass, angular momentum, and electric charge can be used to completely characterize a black hole.

ANSWER: **no hair** theorem

140-12-69-12205

6. This city is the home of the St. Jude Foundation, and the Pyramid Arena in this city pays homage to this city’s Egyptian namesake. For 10 points each:

[10] Name this city, the largest in Tennessee, which was the home of Stax Records.

ANSWER: **Memphis**

[10] A statue to the “Father of the Blues,” W.C. Handy, is located on this famed Memphis Street known for its large number blues clubs.

ANSWER: **Beale** Street

[10] Mud Island in Memphis is located on this river that separates Tennessee from Arkansas.

ANSWER: **Mississippi** River

030-12-69-12206

7. A black cat stands to the right of the title person in this painting. For 10 points each:

[10] Name this painting, which shows the title woman with an orchid in her hair being attended by a black maid.

ANSWER: **Olympia**

[10] *Olympia* is a painting by this artist, who also painted a nude woman eating with two men in *The Luncheon on the Grass*.

ANSWER: Edouard **Manet** [do not accept "Monet"]

[10] This other Manet work depicts the lower leg of a trapeze artist in the upper left, and several bottles of alcohol sit next to a bowl of oranges on the title structure.

ANSWER: **Bar at the Folies Bergere**

186-12-69-12207

8. In June of 2012 in Germany, boron was proven able to achieve this type of bond, previously only known to be done by carbon and nitrogen. For 10 points each:

[10] Name this type of bond found in diatomic nitrogen and between the carbons in acetylene.

ANSWER: **triple** bond

[10] Boron-boron, nitrogen-nitrogen, and carbon-carbon triple bonds are all considered this type of bond, which involves atoms sharing valence electrons.

ANSWER: **covalent** bond

[10] A triple bond is typically made up of a sigma bond and two of these bonds that occur when p orbitals overlap.

ANSWER: **pi** bond

023-12-69-12208

9. This South American country had its capital planned and built in the 1950s by Lucio Costa and Oscar Niemeyer. For 10 points each:

[10] Name this Portuguese-speaking country that once formed the Triple Alliance with Argentina and Uruguay.

ANSWER: Federative Republic of **Brazil** [or Republica Federativa do **Brasil**]

[10] This Brazilian leader based his Estado Novo on Antonio Salazar's. He killed himself after Ruben Vas was killed and Carlos Lacerda was injured in the Rua Tonelero plot.

ANSWER: Getulio Dorneles **Vargas**

[10] Brazil was led by two emperors with this name. Brazil outlawed slavery with the Golden Law during the rule of one emperor with this name.

ANSWER: **Pedro** I [or **Pedro** II]

149-12-69-12209

10. This author wrote "strange now to think of you, gone without corsets & eyes" in a eulogy for his mentally unstable mother Naomi. For 10 points each:

[10] Name this author of "Kaddish," best known for a poem which includes many invocations of Moloch.

ANSWER: Allen **Ginsberg** [or Irwin Allen **Ginsberg**]

[10] This is the aforementioned poem, Ginsberg's most famous, which opens with the speaker noting, "I saw the best minds of my generation destroyed by madness."

ANSWER: "**Howl**"

[10] Allen Ginsberg was a leader of this post-World War II counterculture literary movement, headquartered at San Francisco.

ANSWER: the **Beatniks** [or the **Beat Generation**]

020-12-69-12210

11. The opening of this work equates the history of society to the history of class struggles. For 10 points each:

[10] Identify this 1848 exposition that defines and analyzes entities such as the bourgeoisie and proletariat. It ends with the invocation, "Workers of the world, unite!"

ANSWER: *The* **Communist Manifesto** [or *Manifesto of the Communist Party*]

[10] *The Communist Manifesto* was co-written by Friedrich Engels and this German author of *Das Kapital*.

ANSWER: Karl Heinrich **Marx**

[10] An 1845 work by Friedrich Engels analyzes the condition of the working class in this country, pointing out the correlation of industrialization with death rate.

ANSWER: **England**

192-12-69-12211

12. Felix Mendelssohn premiered this symphony, the first by its composer. For 10 points each:
[10] Name this work in B flat major that was written shortly after the composer's marriage to Clara Wieck. It is named after poems by Adolph Boettger written in honor of the title season.

ANSWER: **Spring** *Symphony* [accept **Schumann's First Symphony** in B flat major, Op. 38, but do not reveal this alternate answer; prompt on **Symphony No. 1**]

[10] The "Spring" Symphony was written by this composer who also wrote *Carnaval* and the "Rhenish" Symphony.

ANSWER: Robert **Schumann**

[10] Another "Spring" Symphony was written by this Englishman, who demonstrated each part of the orchestra in *Young Person's Guide to the Orchestra*.

ANSWER: Benjamin **Britten**

192-12-69-12212

13. Answer these questions about Chinese mythology, for 10 points each.

[10] This hero of the novel *Journey to the West* wields a shape-changing staff and helps defend the monk Xuanzang (SHWAN-tsang).

ANSWER: the **Monkey** King [or **Sun** Wukong; or Sun **Wukong**]

[10] This rain-controlling creature has a deer's horns, a snake's neck, and a tiger's paws. Its "dance" is performed on the Chinese New Year.

ANSWER: a **dragon** [or **lung**; or **long**]

[10] This head of the celestial bureaucracy in Daoist myth appoints the Monkey King as his stable boy in *Journey to the West*.

ANSWER: the **Jade Emperor** [or **Yu Di**]

080-12-69-12213

14. This novel's protagonist falls in love with Constance Bonacieux. For 10 points each:

[10] Name this work centering on d'Artagnan, who aims to join the ranks of the title characters: Athos, Porthos, and Aramis.

ANSWER: *The* **Three Musketeers** [or *Les* **Trois Mousquetaires**]

[10] *The Three Musketeers* is a work by this French author, who also wrote *The Count of Monte-Cristo*.

ANSWER: Alexander **Dumas**

[10] In *The Three Musketeers*, Milady de Winter has one of these symbols brandished on her shoulder, marking her as a criminal.

ANSWER: a **fleur-de-lis** [prompt on **flower**; prompt on **lily**]

192-12-69-12214

15. Answer the following about optics, for 10 points each.

[10] Name either of the two shapes adoptable by non-plane mirrors, one with the center part outwards and one with the edges outwards.

ANSWER: **convex** or **concave** [accept either, or both]

[10] This term describes mirrors or lenses that focus beams of light on the other side, as opposed to causing them to drift away.

ANSWER: **converging** [or word forms]

[10] The focal length of a lens in thin air can be given by this equation.

ANSWER: **lensmaker**'s equation

020-12-69-12215

16. Death and taxes are inevitable. Answer some questions about the latter, for 10 points each:

[10] Except for taxes relating to alcohol, tobacco, firearms, and explosives, this agency of the Department of the Treasury oversees the enforcement of federal tax laws.

ANSWER: Internal Revenue Service

[10] Employers are required to file one of these forms for each employee from whom social security, income, or Medicare tax was withheld. They must be mailed to employees on or before January 31st.

ANSWER: Form W-2

[10] Some taxpayers list these expenses on their tax returns that decrease their taxable income, examples of which include charitable contributions. Miscellaneous ones of these are not allowed for taxpayers who pay the alternative minimum tax.

ANSWER: Itemized Deductions

030-12-69-12216

17. An extensive history of this conflict includes passages like the Melian Dialogue and the Funeral Oration of Pericles. For 10 points each:

[10] Name this conflict between the Spartan and Athenian Empires that lasted from 431 to 404 BCE.

ANSWER: Peloponnesian War

[10] This disgraced Athenian general interviewed participants on both sides of the conflict to write his *History of the Peloponnesian War*.

ANSWER: Thucydides

[10] This historian's *Hellenica* chronicles the last years of the Peloponnesian War and its aftermath. He is better-known for recounting the march of the Ten Thousand from Babylon to the Black Sea in his *Anabasis*.

ANSWER: Xenophon

080-12-69-12217

18. This organ commonly degenerates in diabetics, because the capillaries feeding it become leaky, and mutation of the Rb protein causes tumors to appear here. For 10 points each:

[10] Name this organ located at the back of the eye, which creates an initial image after focusing by the lens. The macula is found in this organ.

ANSWER: retina

[10] The retina consists of two types of photoreceptors, one of which is responsible for distinguishing color and the other of which gives contrast. Name both.

ANSWER: rod and cone [either order acceptable, but both required for 10 points]

[10] This part of the retina, located in the macula, is responsible for high-resolution central vision.

ANSWER: fovea centralis

048-12-69-12218

19. At the end of this poem, the speaker asks, "do I wake or sleep?" For 10 points each:

[10] Name this ode addressed to a certain "immortal bird."

ANSWER: "Ode to a Nightingale"

[10] This author of "Ode to Psyche," "Ode on Melancholy," and "Ode on a Grecian Urn" wrote "Ode to a Nightingale."

ANSWER: John Keats

[10] This Keats poem describes a knight who experiences visions of "pale kings and princes" and whom the title woman "hath...in thrall."

ANSWER: "La Belle Dame Sans Merci"

194-12-69-12219

20. Answer the following about a doctrine meant to resolve the slavery issue, for 10 points each.

[10] This doctrine supported by Stephen Douglas allowed for settlers of future territories of the United States to decide for themselves whether to allow slavery or not.

ANSWER: **popular sovereignty**

[10] Douglas pushed for a bill that would apply popular sovereignty to this state and Nebraska. However, this state became embroiled in fights, leading to it being known as "Bleeding."

ANSWER: **Kansas**

[10] This Michigan politician was one of the earliest spokespersons for popular sovereignty. He was the Democratic candidate in the 1848 presidential election, but lost to Zachary Taylor.

ANSWER: Lewis **Cass**

140-12-69-12220

21. This leader is a prime claimant to the title of King of Jerusalem. For 10 points each:

[10] Name this king who helped institute constitutional monarchy in Spain after succeeding Francisco Franco.

ANSWER: **Juan Carlos I**

[10] This organization split in two during Spain's transition to democracy. This Basque separatist organization killed Franco's potential successor, Luis Carrero Blanco.

ANSWER: **ETA** [or **Euskadi Ta Askatasuna**]

[10] At an Ibero-American Summit, Juan Carlos I asked this president of Venezuela, "Why don't you just shut up?"

ANSWER: Hugo Rafael **Chavez** Frias

080-12-69-12221