

1. One brief in this case argued that the government "has a right to safeguard a citizen against his own lack of knowledge." That brief by Julius Mayer was addressed in the majority opinion written by Rufus Peckham, which led to this case's name becoming a participle used to accuse justices of making up law. The argument that the Fourteenth Amendment does not "enact" Spencer's Social Statics was put forth in Holmes's dissent. Starting an "era" of cases that knocked down regulations on working conditions, this case dealt with a violation of the Bakeshop Act. For 10 points, name this 1905 case that centered on hours of the workday in New York.

ANSWER: Lochner v. *New York* [accept either order]

020-09-12-04102

2. This organism dodges the immune system by expressing Lewis blood group antigens, and the most common strains are J99 and 26685. Virulent strains encode a toxin that binds to VIP54 and creates large vacuoles, known as VacA. They encode a Type IV secretory system in the CagA pathogenicity island, which also activates the SH2 kinase. A urease breath test can be used to detect this microaerophile, and the inflammatory response to it induces the secretion of gastrin from G cells. Treating infection with this organism involves two antibiotics and a proton pump inhibitor, and it was studied by Barry Marshall, who notably drank a solution of it to prove that it causes gastritis. For 10 points, name this bacterium responsible for many ulcers.

ANSWER: Helicobacter pylori

048-09-12-04103

3. This city hosts free Shakespeare-in-the-park called the "Southern Shakespeare Festival." A defunct airport in this city was named for a casualty in a 1922 dirigible disaster, the crash of the *Roma*. Besides Dale Mabry Field, this city contains an administrative building from which the odd demand for 666 Dunkin's Donuts was issued from student protester Marshall Ledbetter in 1991. Near this city was the Battle of Natural Bridge during the Civil War, in which students from what would become a major state university prevented the Union from capturing a certain Confederate capital. That university included a president named Doak Campbell and has an athletic team called the Seminoles. For 10 points, name this capital of Florida.

ANSWER: Tallahassee

052-09-12-04104

4. The founders of this movement were all students of the man who showed that the horse Clever Hans could not do arithmetic. One of its founders observed that chimpanzees use insight learning to solve tests such as using two short bamboo sticks to reach a banana. This movement argues that the mind groups objects by their similarity and proximity, which are based on the principle of *pragnanz*. A psychologist who helped found it discovered that a series of slightly different stationary images create the illusion of movement, an illusion known as the phi phenomenon. For 10 points, name this school founded by Kurt Koffka, Wolfgang Kohler and Max Wertheimer, which studies how the whole is greater than the sum of its parts.

ANSWER: Gestalt psychology

003-09-12-04105

5. In the second stanza of this poem, its speaker longs for "a beaker full of the warm South" in order to "drink, and leave the world unseen." In this poem's third stanza, the speaker wishes to "fade far away, dissolve, and quite forget" the "weariness, and fever, and the fret" of the world. Its speaker resolves to fly to this poem's title being "on the viewless wings of Poesy," and begins this poem by lamenting "My heart aches, and a drowsy numbness pains my sense / As though of hemlock I had drunk." This poem ends with the word "forlorn" tolling the speaker back to reality after its speaker exclaims "Thou wast not born for death, immortal Bird!" For 10 points, name this ode to the song of the title bird, written by John Keats.

ANSWER: "**Ode to a Nightingale**"

004-09-12-04106

6. A quantity of this name for neutrons is multiplied by the macroscopic fission cross-section to give the fission reaction rate in a nuclear reactor. In a type-II superconductor, the usual version of this quantity is quantized for the H field when the applied field is between two critical values; the inverse of that quantum is the Josephson constant. For electromagnetic energy, this quantity is represented by the Poynting vector. Fick's first law states that this value for a given quantity is equal on net to minus the diffusion constant times the gradient of that quantity. For the electric field, this quantity through a closed surface is proportional to the enclosed charge according to Gauss's Law. For 10 points, name this quantity, equal to the rate at which some physical quantity passes through a location per unit area.

ANSWER: **flux** [accept more specific answers such as **neutron flux**, **electric flux**, **magnetic flux**, etc.]

032-09-12-04107

7. In the third movement of this symphony, a bassoon attempts to accompany a theme played by the oboe, but can only play the two notes F and C. At the end of its second movement, an oboe, a flute, and a clarinet respectively imitate the calls of a quail, a nightingale, and a cuckoo. In its fourth movement, a five-note passage for the cellos is played along a similar four-note passage for the double basses, creating an ominous rumbling before the entrance of timpani imitating the sound of thunder during a furious storm. This symphony's five movements include ones titled "By the Brook," "A merry gathering of country folk," and "Cheerful impressions awakened by arrival in the country." Premiered in 1808 along with its composer's C minor fifth symphony, for 10 points, name this Beethoven symphony that portrays rural life and nature.

ANSWER: "**Pastoral**" Symphony [or Ludwig van **Beethoven's Symphony No. 6**]

032-09-12-04108

8. One aspect of this god was worshiped in an airtight cylindrical temple, represented all the cardinal directions, and blew the sun and moon into place. In one story, this god slept with his celibate priestess sister, burning himself to death in shame. This god's heart became the morning star, the twin brother of Venus. This god created the fifth cycle of mankind by letting blood flow from his penis into a meal of ground-up bones of previous races. This analogue of Kukulcan and rival of Tezcatlipoca was mistaken for a horse-riding conquistador. For 10 points, name this feathered serpent from Aztec mythology, who was mistaken for Hernan Cortes.

ANSWER: **Quetzalcoatl** [or **White Tezcatlipoca**, but do not accept or prompt on **Tezcatlipoca** itself]

040-09-12-04109

9. One character in this play asks “What crotchet has that swaggering booby got in his numbskull?,” referring to a traitor whose cronies include Razmann and Schufferle. The villain of this play meets with Pastor Moser before killing himself to avoid facing punishment. The protagonist of this play gives a speech about striking a “generation of vipers to the quick” and is later betrayed by Spiegelberg. Near the end of this play, the protagonist slays his beloved Amelia and turns himself into the law. This occurs shortly after the death of his father, who was tricked into rejecting the protagonist by his other son, Franz. For 10 points, name this play about the tragic Karl Moor, who becomes the captain of the title band of thieves, a work by Friedrich Schiller.

ANSWER: *The **Robbers*** [or *Die **Räuber***]

052-09-12-04110

10. One future queen of this country named Victoria served as page-turner for Franz Liszt when he visited the Karlsruhe opera, and as king, her husband permitted the German Englebrecht division to pass through this country during World War II. It participated in a war that saw France lose the Franche-Comte as part of an alliance with England and the Dutch Republic. It was united under Margaret I with Norway and Denmark in the Kalmar Union, and members of its royal Vasa family included Charles IX and Christina. For 10 points, identify this country that was once led by Gustavus Adolphus.

ANSWER: **Sweden**

032-09-12-04111

11. In gas chromatography, this word describes a product obtained when silyl groups are added to a molecule of interest to reduce polarity. In multi-variable calculus, one operator with this name is the dot product of a unit vector with the gradient, known as the directional this. In biochemistry, this term refers to a molecule that is synthesized by slightly modifying a given compound, usually by adding a named group - for example, aniline is an amino one of these of benzene. In single-variable calculus, the nth of these of a given function appears in the nth coefficient of the Taylor series of that function. For 10 points, give this common word the one of which from calculus can be used on both dividends of an apparently indeterminate limit according to l'Hôpital's [low-pee-TALZ] rule.

ANSWER: **derivative**

064-09-12-04112

12. This author wrote pro-French satirical letters under a pseudonym he described as "One of the Swinish Multitude," Robert Slender. This author described being taken to "A slaughter-house, yet hospital in name" in a poem about the torturous conditions of the "piles for slaughter, floating on the floods," which was inspired by the capture of the *Aurora*. A poem by this author laments that "Unpitying frosts and Autumn's power" will leave no vestige of the title object, which is described as a "fair flower, which dost comely grow." The speaker of another of his poems imagines a place where "the hunter still the deer pursues" alongside "the painted chief, and pointed spear." For 10 points, name this early American poet of "The British Prison Ship," "The Wild Honey Suckle," and "The Indian Burying Ground," who is often called the "poet of the American Revolution."

ANSWER: Philip Morin **Freneau**

034-09-12-04113

13. The twenty-ninth section of this book compares believers in other gods to the fragile web created by a spider. This book's ninety-sixth section asserts that God created mankind from a clot of blood. This book's twenty-fourth section compares God to a shining lamp lit from a blessed tree in its "Verse of Light." The ninety-ninth section of this book describes an earthquake on the day of judgment, and almost every section of this book begins with the Bismillah. This book's "Sword verse" exhorts believers to "find and slay pagans," and sections of this book are divided into verses called ayat. Beginning with a section called "the opening," for 10 points, name this book divided into suras, which was revealed in the seventh century by the angel Gibreel to Muhammad.

ANSWER: Qu'ran [or Koran]

004-09-12-04114

14. Bernard Stiegler argues that this philosopher first explained the use of clothing and tools as "the naturalized character of prostheses." One of his works contrasts the role of the windmill in pre-industrial states with the construction of a hydroelectric plant on the Rhine to argue that technology has reframed Being. He argued that the title creations as part of the "world" and not the "earth," because they are within the ready-to-hand, in a work that analyzes Vincent Van Gogh's *A Pair of Shoes*. This author of *The Question Concerning Technology* and *The Origin of the Work of Art* discussed ontological hermeneutics and coined the term *dasein* in his best-known work. For 10 points, name this philosopher who wrote *Being and Time*.

ANSWER: Martin Heidegger

032-09-12-04115

15. According to U.S. Marshal Ward Lamon, an arrest warrant was issued for this man but never acted upon. This man withdrew government money from the Second Bank of the United States, in favor of the pet banks, while serving as Levi Woodbury's predecessor as Secretary of the Treasury. This man dealt with a Maryland man accused of burning bridges during the Civil War named John Merryman. He famously handed down the majority opinion in a case that ruled that the national government could not prohibit slavery in the territories and that slaves could not lodge lawsuits. For 10 points, name this fifth Supreme Court Chief Justice who presided over *Dred Scott v. Sandford*.

ANSWER: Roger Taney

032-09-12-04116

16. One statue commissioned for this building was rejected by its patrons for having an overlarge head, but was accepted once it was placed unchanged in its final location. Donatello's *Saint Louis of Toulouse* was intended for this building, but it was replaced by a Verrocchio work in which Christ touches Thomas's head. A semicircular arrangement of *Four Crowned Martyrs* was sculpted for this building by Nanni di Banco. This building also houses Ghiberti's *Saint John the Baptist* and Donatello's *Saint Mark*. The trade guilds that patronized this church filled its fourteen exterior niches with various bronze and stone statues. For 10 points, name this Florentine church whose name translates as the "Kitchen Garden of Saint Michael."

ANSWER: the Orsanmichele

026-09-12-04117

17. In his autobiography, this ruler described how he swam across every river he encountered, including the Ganges. After this ruler was asked to invade a neighboring kingdom by Daulat Khan, he won a decisive battle due to artillery commanded by his generals Mustafa and Ustad Ali. This Timurid prince briefly controlled Samarkand, but was driven from it by Shaibani Khan. He defeated the Rajputs commanded by Rana Sanga at the Battle of Khanwa, giving him control over north India. That victory occurred after he smashed the forces of Ibrahim Lodi at the First Battle of Panipat. After his death in 1530, he was succeeded by his son Humayun. For 10 points, name this founder of the Mughal Empire, the grandfather of Akbar.

ANSWER: Zahir ud-din-Mahommed **Babur**

004-09-12-04118

18. A common method of reducing these compounds involves using a catalyst containing 3 P-Ph-3 groups and one chlorine atom bound to ruthenium, a method which has largely been replaced by Crabtree's catalyst. Reacting them with carbenes is a common method of producing cyclopropanes. A series of these compounds alternating on a long side chain serves as a chromophore in retinal. When they are reacted with osmium tetroxide, diols are formed. Acid halides add to these compounds such that the halide adds to the more substituted carbon, a rule named for Markovnikov. For 10 points, identify this class of compounds that can be either cis or trans and are characterized by carbon-carbon double bonds.

ANSWER: **alkenes** [or **olefins**]

032-09-12-04119

19. In one work by this painter, an oriental rug is draped across the table at right, upon which rests a jug, and a downward-facing mirror reflects the central woman and some square tiles. Another work by this artist shows a painting of Moses on the wall, while the title character is clad in a green kimono and inspects a globe. He produced a painting that shows a bread-filled table on which rests a container that the title servant fills. Another of his paintings shows a woman wearing a blue turban, turning towards the viewer to expose the title piece of jewelry. For 10 points, name this painter of *The Music Lesson*, *The Astronomer*, *The Milkmaid* and *Girl with the Pearl Earring*, who also depicted the Dutch city where he was born in his landscape *View of Delft*.

ANSWER: Johannes "Jan" **Vermeer**

052-09-12-04120

20. In the fourth chapter of this novel's second section, the protagonist stumbles upon an abandoned house and successfully fights a crippled dog over the scraps of meat on a bone. The protagonist of this novel eats a lump of sugar placed by the mouth of a dead Indian boy in a cemetery, and travels to Carmen after discovering his illegitimate daughter Brigitta. The main plot of this novel is juxtaposed with scenes of a mother telling stories about an unrealistically perfect martyr named Juan to her son Luis. The protagonist of this novel crosses the border to hear the dying confessions of the Gringo, although he knows that the mestizo will betray him to the Lieutenant. For 10 points, name this novel about a "whiskey" priest pursued by anti-Catholic authorities in Mexico, written by Graham Greene.

ANSWER: *The **Power and the Glory***

034-09-12-04121

21. While holding this position, one man survived an assassination attempt by Jean-Baptiste Sipido and became involved in the Tranby Croft Scandal. This position was officially created by the Treaty of Montgomery. The only native to officially hold this position was known as "the Last," and married the daughter of Simon de Montfort; Edmund Mortimer married the daughter of a later native who claimed this position. The motto of this position is "Ich dien." A person who held this position for only five months later sparked "the Fifteen," and another man could not be elevated to this position until it was certain that Arthur Tudor had not gotten his wife, Catherine of Aragon, pregnant. For 10 points, name this position that is traditionally held by the heir apparent to the throne of England and is currently occupied by Charles, son of Queen Elizabeth II.

ANSWER: **Prince of Wales**

003-09-12-04122

22. One character in this play tells a story about paying ten dollars a month for fifteen years to buy furniture on credit from the devil. In the final scene of this play, two children pay tribute to their dead father by singing about a dog named Blue. The main character of this play warns his son by saying "strike one," "strike two," and "Don't you strike out" before that son attempts to assault him with a baseball bat. At the climax of this play, the protagonist's wife decides to raise Raynell after learning that her husband cheated on her with Alberta. The protagonist refuses to allow his son Cory to play college football, and creates this play's title structures for his wife Rose. For 10 points, name this play set in the 1950s, which focuses on Pittsburgh garbageman Troy Maxson and was written by August Wilson.

ANSWER: **Fences**

005-09-12-04123

23. This structure is found immediately ventral to the pouch of Douglas. Scarring in this organ can lead to Asherman's syndrome, and Gartner's ducts may remain in the broad ligament of this organ rather than vanishing during gestation. Agenesis of this organ occurs in MRKH syndrome, and this organ can also be bicornate or unicornate in other malformations. This organ's lining, the endometrium, is sloughed off during menstruation, and when zygotes implant outside of it, ectopic pregnancy occurs. For 10 points, name this organ of the female reproductive system in which gestation occurs.

ANSWER: **uterus**

032-09-12-04124

1. This city replaced Punakha as capital and it was designed in the principles of intelligent urbanism. For 10 points each:

[10] Name this world capital that was developed under the reign of King Jigme Dorji Wangchuck.

ANSWER: **Thimphu**

[10] Thimphu is the capital of this Asian nation located in the Himalayas known for using Gross National Happiness to measure quality of life.

ANSWER: Kingdom of **Bhutan**

[10] The northern part of Bhutan contains this peak, which at just under 25,000 feet is the tallest unclimbed mountain on Earth.

ANSWER: **Gangkhar Puensum**

064-09-12-04201

2. In the third of this piece's four sections, an English horn and a flute play a pastoral "call to the dairy cows." For 10 points each:

[10] Name this composition whose finale uses trumpets to depict an energetic cavalry charge.

ANSWER: **William Tell overture** [or **Guillaume Tell overture**]

[10] In this baritone aria by the same composer, Figaro introduces himself and rapidly boasts about why he is the most famous barber in Seville.

ANSWER: **"Largo al Factotum"**

[10] This Italian composed the operas *William Tell* and *The Barber of Seville*.

ANSWER: Gioachino **Rossini**

004-09-12-04202

3. The decisive phase of the Mexican-American war culminated in the seizure of Mexico City after the Battle of Chapultepec. For 10 points each:

[10] The American trek to Mexico City began with an amphibious landing and siege at this port city; the Mexican commander Juan Esteban Morales held out for twenty days before surrendering.

ANSWER: **Veracruz**

[10] The American forces were led by this general who later lost the 1852 presidential election to Franklin Pierce.

ANSWER: Winfield **Scott**

[10] Antonio Lopez de Santa Anna attempted to block the American advance at a mountain pass at this site near Xalapa, but, after Robert E. Lee found a way to bypass the Mexicans, a rout ensued.

ANSWER: Battle of **Cerro Gordo**

040-09-12-04203

4. This commander secured his country's independence by forcing General Rochambeau to surrender at the Battle of Vertieres. For 10 points each:

[10] Name this leader, who declared himself his country's first emperor in 1804. According to legend, he created his country's flag by tearing out the white section of the French tricolor.

ANSWER: Jean-Jacques **Dessalines** [or Emperor **Jacques I**; prompt on **Jacques**]

[10] Jean-Jacques Dessalines ruled this Caribbean country, which successfully revolted against France under the leadership of Toussaint L'Overture.

ANSWER: Republic of **Haiti**

[10] After Dessalines was assassinated in 1806, Haiti became divided into a southern republic led by Alexandre Petion and a northern kingdom ruled by this revolutionary, who built the Citadelle Laferrière and committed suicide in 1820.

ANSWER: Henri **Christophe** [or King **Henri I**; prompt on **Henri**]

004-09-12-04204

5. They consist of two electrons with opposite spin and momentum that form a bound state at sufficiently low temperatures. For 10 points each:

[10] Name these "pairs" that occur as a result of electron-phonon coupling at energies near the Fermi level.

ANSWER: **Cooper pairs**

[10] Cooper pairs are at the heart of the BCS theory, which was developed to explain this phenomenon.

ANSWER: **superconductivity**

[10] The BCS theory also accounts for this, effect in which superconductor expels all magnetic flux from its interior.

ANSWER: the **Meissner**-Ochsenfeld effect

040-09-12-04205

6. Name these Roman historians, for 10 points each.

[10] This Brit notoriously blamed Christianity for causing instability within the Roman empire, thus leading to the title event of his magnum opus *The Decline and Fall of the Roman Empire*.

ANSWER: Edward **Gibbon**

[10] This Roman, who served in some capacity in the reign of Augustus, is best known for his book *Ab Urbe Condita*, or the *History of Rome*, which begins with the arrival of Aeneas and continues through Julius Caesar.

ANSWER: **Livy** or Titus **Livius**

[10] Another great Roman historian was the author of the *Annals*, Tacitus. Tacitus was married to the daughter of this great general, who served as governor of Britannia and conquered much of Scotland and Wales. One of Tacitus' first histories is a biography of this man.

ANSWER: Gnaeus Julius **Agricola**

052-09-12-04206

7. Answer the following about contemporary American literature, for 10 points each.

[10] Harold Bloom considers this incredibly violent Cormac McCarthy novel to be one of the greatest works of American literature. Subtitled "the Evening Redness in the West," it describes the wanderings of the kid, who joins the Glanton Gang and opposes Judge Holden.

ANSWER: ***Blood Meridian***, or *the Evening Redness in the West*

[10] In this 2004 novel, William Robbins mentors the free black Henry Townsend, who owns a slave plantation in Manchester, Virginia. Its title refers to the map hung on the wall of a jail by Sheriff John Skiffington.

ANSWER: *The **Known World***

[10] This author wrote an alternate history imagining a dramatic rise in anti-Semitism after Charles Lindbergh wins the election of 1940, titled *The Plot Against America*. He also wrote the novels *American Pastoral* and *Portnoy's Complaint*.

ANSWER: Philip **Roth**

019-09-12-04207

8. Wobble refers to the relaxed base-pairing rule during this process in protein synthesis. For 10 points each:

[10] Ribosomes read the messenger RNA from 5 prime end to 3 prime end to produce amino acids in what process?

ANSWER: **translation**

[10] Prokaryote translation begins upon recognition of this eight base pair sequence, named for two Austrian scientists. It is analogous to the Kozak sequence in eukaryotes.

ANSWER: **Shine-Delgarno** sequence [or **Shine-Delgarno** box]

[10] In bacteria, the start codon A-U-G always codes for the "formyl" type of this essential amino acid. Along with tryptophan, it is one of the only two amino acids encoded by just one codon.

ANSWER: **methionine** [prompt on M]

034-09-12-04208

9. The title character of this novel accidentally invites Thomas Wynn to a party instead of Tristan Thomas, and is heartbroken at being rejected by his ex-wife Dr. Liza Wind. For 10 points each:

[10] Name this comic novel about a Russian professor at Waindell College.

ANSWER: ***Pnin***

[10] *Pnin* was written by this Russian-American novelist, who wrote about Humbert Humbert's attraction to a "nymphet" in *Lolita*.

ANSWER: Vladimir **Nabokov**

[10] This Iranian-born author described Humbert Humbert as an analogue of the Ayatollah in her "memoir in books," *Reading Lolita in Tehran*.

ANSWER: Azar **Nafisi**

015-09-12-04209

10. Believers in this doctrine cite John 15:16, which states "Ye have not chosen me, but I have chosen you." For 10 points each:

[10] Name this Calvinist doctrine, which asserts that God determines who will be saved before birth.

ANSWER: **predestination**

[10] This assembly, which took place from 1618 to 1619 in the Netherlands, upheld the doctrine of absolute predestination and rejected the beliefs of Arminius.

ANSWER: **Synod of Dordt**recht

[10] One of the positions rejected by the Synod of Dordt was the Arminian belief that God merely offers this divine gift to people, allowing them the free will to accept or reject it. Calvinist theology believes that it is irresistible, and theologians classify it into "sanctifying" and "actual" varieties.

ANSWER: God's **grace**

004-09-12-04210

11. This mathematician's namesake numbers describe the number of ways that a polygon with N plus two sides can be divided into N triangles. For 10 points each:

[10] Name this mathematician, whose conjecture states that eight and nine are the only consecutive powers of integers.

ANSWER: Eugene Charles **Catalan**

[10] Catalan's identity holds for this sequence of numbers. The Nth term in this sequence is the sum of terms N minus one and N minus two; it begins 1, 1, 2...

ANSWER: the **Fibonacci** sequence

[10] Catalan's constant is equal to the value of this mathematician's beta function of two. In 1837, this mathematician proved that any arithmetic progression whose first term is coprime to the common difference contains infinitely many primes.

ANSWER: Johann Peter Gustav Lejeune **Dirichlet**

004-09-12-04211

12. This event was funded with the so-called "Saladin tithe." For 10 points each:

[10] Name this military campaign, which ran from roughly 1189 to 1192. It saw the siege of Acre and the battle of Arsuf and ended with Richard I reaching an agreement with Saladin which allowed pilgrims to visit Jerusalem.

ANSWER: **Third Crusade** [or **Kings Crusade**]

[10] Besides Richard I and Philip II, another monarch who took part in the Third Crusade was this Holy Roman Emperor, who unfortunately drowned in a river before reaching the Holy Land. This German from Swabia was excommunicated by Alexander III in 1160.

ANSWER: **Frederick I** [or **Frederick III of Swabia**; or Frederick **Barbarossa**; prompt on **Frederick**]

[10] Pope Alexander III also supported this alliance of northern Italian cities, whose forces decisively defeated Barbarossa at the battle of Legnano, forcing the king to agree to the terms of the Peace of Venice.

ANSWER: **Lombard** League

052-09-12-04212

13. The general plan for this building complex was drafted by Le Corbusier, though Wallace Harrison led a team that came up with the particulars of the design for the central skyscraper. For 10 points each:
[10] Identify this group of buildings that occupies six blocks along the East River and was donated to New York upon its completion by John Rockefeller, Jr.

ANSWER: the **United Nations headquarters** [or obvious equivalents including **United Nations** or **UN**]

[10] Among the architects who worked on the UN headquarters was this man, who also designed the Pampulha suburb for his patron Juscelino Kubitschek. As of 2010, this 102-year-old architect is still working, and recently designed a statue of an American monster about to eat some Cubans.

ANSWER: Oscar **Niemeyer** Soares Filho

[10] Niemeyer's most ambitious project for Kubitschek was this airplane-shaped planned capital of his South American homeland.

ANSWER: **Brasilia**

019-09-12-04213

14. In 1829, the Georgia state legislature offered a ten thousand dollar reward for the capture of this abolitionist alive. For 10 points each:

[10] Name this abolitionist who argued that blacks should "kill or be killed" rather than let themselves be enslaved in his *Appeal to the Colored Citizens of the World*.

ANSWER: David **Walker**

[10] Walker's *Appeal* mocks the arguments that blacks are naturally inferior found in this author's *Notes on the State of Virginia*, contrasting them with the principles this man put forth in the Declaration of Independence.

ANSWER: Thomas **Jefferson**

[10] These sisters, who were born to a slaveholding family in South Carolina, were regularly attacked for daring to speak publicly in favor of abolition. They edited Theodore Weld's book *American Slavery as It Is*, written by the husband of the older sister, Angelina.

ANSWER: **Grimke** sisters [or Sarah **Grimke** and Angelina **Grimke Weld**]

004-09-12-04214

15. These sounds are characterized by features such as height, backness, and roundedness. For 10 points each:

[10] Name these sounds that do not have a obstruction of the oral tract and are syllabic.

ANSWER: **vowels**

[10] This vowel shift in American English, which began with the raising of the short A, has seen changes in short vowels in cities like Chicago and Buffalo.

ANSWER: **Northern Cities Vowel Shift** [or **Northern Cities Shift**]

[10] These are gliding vowels that see a blended transition from one position to another. They result from two vowels next to each other as in "about."

ANSWER: **diphthongs**

001-09-12-04215

16. One character in this novel loses his virginity to Rosalba, and becomes the president of the River Company of the Caribbean. For 10 points each:

[10] Name this novel in which Florentino Ariza raises a yellow flag on a boat, condemning it never to dock, after waiting over fifty years for the husband of Fermina Daza to die.

ANSWER: Love in the Time of Cholera [or El amor en los tiempos del cólera]

[10] This Colombian author of *Love in the Time of Cholera* may be better known for his magical realist novel about the Buendia family.

ANSWER: Gabriel Garcia Marquez

[10] At the age of twenty-one, Fermina marries this doctor instead of Florentino. He cheats on her with Barbara Lynch, and dies after falling off a mango tree which he climbed to retrieve his pet parrot.

ANSWER: Dr. Juvenal Urbino [or Dr. Juvenal Urbino]

040-09-12-04216

17. In the left front of a work purporting to depict a bust of this man, a naked woman holds her right hand to her face, in front of two arches. For 10 points each:

[10] Name this author, whose "Disappearing Bust" may appear in the midst of a Slave Market in a certain painting.

ANSWER: Voltaire [or Francois-Marie Arouet; or *Slave Market with the Disappearing Bust of Voltaire*]

[10] This surrealist artist painted *Slave Market with the Disappearing Bust of Voltaire* along with *Soft Construction with Boiled Beans* and a work showing some melted clocks.

ANSWER: Salvador Dali [Salvador Domingo Felipe Jacinto Dalí i Domènech, 1st Marquis of Púbol (accept either underlined part)]

[10] *Slave Market with the Disappearing Bust of Voltaire* was painted 16 years after this man defined surrealism as "pure psychic automatism" in his *Surrealist Manifesto*.

ANSWER: Andre Breton

064-09-12-04217

18. Transport of proteins into these structures is achieved by the Tic and Toc translocons. For 10 points each:

[10] Name these organelles that are the site of photosynthesis in plant cells.

ANSWER: chloroplasts

[10] These parts of the chloroplasts are the site of the light reactions and are organized into stacks known as grana.

ANSWER: thylakoids

[10] This iron-containing electron carrier found in the thylakoid can transfer its electrons to NADP⁺ to make NADPH in non-cyclic photophosphorylation, or to the cytochrome b6f complex in ATP-forming cyclic photophosphorylation.

ANSWER: ferredoxin

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19. The chief center of worship for these Pieria-born figures was Mount Helicon. For 10 points each:
[10] The globe and compass were the symbols of Urania, one of these figures that personified literature and the arts, and whose numbers also included Melpomene, Erato, and Euterpe.

ANSWER: **Muses**

[10] The sea god Achelous was said to have fathered the Sirens with this lyre-playing muse of dance and the dramatic chorus.

ANSWER: **Terpsichore**

[10] Clio was the mother of this cult figure, who is killed by a discus blown back by the jealous Zephyr while playing with his admirer Apollo. His blood was then transformed into a namesake flower.

ANSWER: **Hyacinth Hyacinthus** [accept either]

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20. Both R. G. Collingwood and Benedetto Croce defined this discipline as the expression of emotions. For 10 points each:

[10] Name this discipline. Tolstoy argued that it should be "sincere" and "infect" others with feeling in a book whose title questions what it is.

ANSWER: works of **art** [or clear-knowledge equivalents]

[10] This branch of philosophy studies art and beauty.

ANSWER: **aesthetics**

[10] This philosopher wrote about the aesthetics of judgment in his essay "Of the Standard of Taste." He argued that ideas result from impressions in *An Enquiry Concerning Human Understanding*, which presented arguments he first made in *A Treatise of Human Nature*.

ANSWER: David **Hume**

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21. In this novel, Mr. Dambreuse is a banker whose wife has an affair with its main character. For 10 points each:

[10] Name this novel in a College of Sens graduate retrieves a ball of yarn for Mrs. Arnoux before having a lengthy affair with her.

ANSWER: A ***Sentimental Education*** [or ***L'Éducation sentimentale***]

[10] The landowner Rodolphe Boulanger appears in this novel as one of the lovers of the title character, who is not very faithful to her husband, the doctor Charles.

ANSWER: ***Madame Bovary***

[10] Both *A Sentimental Education* and *Madame Bovary* were written by this author, who considered his novel *The Temptation of Saint Anthony* to be his masterwork.

ANSWER: Gustave **Flaubert**

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