1. This body has a dark region called Shangri-la, which is near a bright region called Xanadu. Its north pole is home to the Ligeia Mare. This body is in a four-to-three orbital resonance with Hyperion. Its Ganesa Macula is a strong candidate cryovolcano. It has an atmosphere that appears to contain tholins and other complex organic molecules. This moon has its own weather systems and is covered in an orange smog. It was discovered by Huygens, who co-names the Cassini-Huygens probe that discovered evidence of hydrocarbon lakes on it. For 10 points, name this largest moon of Saturn.
ANSWER: **Titan**

001-09-12-02102

2. The protagonist of this novel writes a will ordering that no flowers be planted on his grave and no man remember him. At one point in this novel, the protagonist is shamed by a "skimmity-ride" that parades effigies of him and his onetime lover Lucetta. While serving as a judge, the protagonist's past deeds are exposed by the furmity woman. Its title character hires a Scotsman who is able to salvage bad wheat, but fires him out of jealousy for holding a successful dance under a tent during a rainstorm. This novel's title character becomes the rival of Donald Farfrae, and sells Newson his wife Susan and his daughter Elizabeth-Jane for five guineas. For 10 points, name this novel about the downfall of Michael Henchard, written by Thomas Hardy.
ANSWER: *The **Mayor of Casterbridge***

030-09-12-02103

3. James Sayers's cartoon depicting *The Repeal of* this act prominently features Theophilus Lindsey, Richard Price, and Joseph Priestley among the mob mischief-makers. Robert Walpole attempted to circumvent one part of this act by passing a yearly Act of Indemnity. John Dryden's "The Hind and the Panther" was thinly veiled support of James II's attempt to repeal this act. The Quebec Act replaced its most controversial provision with an oath of loyalty. It was amended by the Act of Toleration and finally repealed, along with the Corporation Act, in 1828, thus allowing Catholics to hold seats in Parliament. For 10 points, name this act that required the holders of all offices in the British government to be Anglican.
ANSWER: **Test** Act

003-09-12-02104

4. Many actors audition by reciting a monologue written by this author which begins "I always worry that maybe people aren't going to like me, when I go to a party." That monologue is spoken by the suicidal Jewish cadet Sammy in this author's play about the family of Reuben Flood. In another of this author's plays, Dr. Lyman reads the balcony scene from *Romeo and Juliet* with the waitress Elma, Grace slips upstairs to sleep with Carl, and Cherie is pursued by the cowboy Bo Decker. This author set many of his plays in small Midwest towns, such as a play in which Madge Owens falls in love with Hal Carter. For 10 points, name this American playwright of *The Dark at the Top of the Stairs*, *Bus Stop*, and *Picnic*.
ANSWER: William **Inge**

004-09-12-02105

5. In 1979, this nation saw violent demonstrations after it attempted to raise the price of rice. Those riots led to the downfall of this country's Tolbert administration in a coup orchestrated by a man who would later be tortured to death on television, Samuel Doe. One military figure in this nation was Joshua Blahyri, better known as General "Buck Naked," who believed he was invulnerable to bullets. This country's regime attempted to assassinate Kimmie Weeks, who exposed the usage of child soldiers during its devastating civil war. This country has recently issued war crimes indictments against former president Charles Taylor. For 10 points, name this African nation with capital at Monrovia that was founded by freed American slaves.
ANSWER: **Liberia**

6. In the 2004 primaries for this position, the former CEO of Godfather's Pizza, Herman Cain, was the second-place Republican candidate, and the Democrats nominated a Congresswoman who had previously unseated an incumbent in a House primary, Denise Majette. In 2008, this position was subject to a runoff because third-party candidate Allen Buckley prevented anyone from winning a majority on Election Day, and Jim Martin lost to the Republican incumbent in the second round. Both holders of this office were Democrats as of Election Day 2000, but Max Cleland and Zell Miller have both since been replaced by Republicans. For 10 points, identify this political office, now held by Johnny Isakson and Saxby Chambliss.
ANSWER: United States **Senator** from **Georgia** [or obvious equivalents]

7. Quantum dots have the unusual property that changing their size alters this property, which is why their emitted wavelength is tunable. The increase of one in size with temperature change T is given by T squared times a constant alpha divided by T plus a constant beta according to Varshni's theorem. Chemically distorting a one-dimensional crystal can create additional ones in the Peierels distortion. This structure is the solid-state equivalent of the space between the LUMO and the HOMO. Materials that have an indirect one must emit a phonon during recombination, in which an electron moves from the top of it to the bottom. The Fermi level exists in the middle of it in doped materials. For 10 points, name this region which is prominent in insulators - a region forbidden to electrons, lying between the valence and conduction bands, the size of which determines many characteristics of semiconductors.
ANSWER: the **band gap** region

8. Te-shan burned twenty years of commentary on this work after failing to understand its passages on the inability to attain the past, future, or present mind. According to legend, Hui-neng achieved enlightenment after hearing a monk chant this work's line "Let your mind function freely, without abiding anywhere or in anything." It begins with a dialog between the Buddha and Subhuti in Shravasti. This crown jewel of the "Perfection of Wisdom" genre is, along with the Heart Sutra, one of the two main texts in Zen Buddhism. For 10 points, name this major text of Mahayana Buddhism, named for a jewel that "cuts through illusion."
ANSWER: **Diamond** Sutra [or Vajracchedika **Prajnaparamitra** Sutra]

9. During the catalytic cycle of ribonucleotide reductase, cysteine-439 forms one of these, which is then transferred to the substrate and to a tyrosine residue. Potassium nitrosodisulfonate is a persistent example of one. N-bromosuccinimide is used in substitutions that have one of these as an intermediate, while a technique used to image them commonly uses TEMPO to trap them. Besides EPR, they are commonly created by hemolytic bond cleavage in species like peroxides. Reactive oxygen species are a subset of, for 10 points, these chemical species that contain an unpaired electron.
ANSWER: free **radical**s

10. One of this author's short stories begins with an eccentric councillor building a house by first erecting the walls and then ordering workmen to smash out the door and windows. In that story by this author, the narrator learns that Krespel's daughter Antonia has a defect in her chest causing her to die from her beautiful singing. In another short story by this author, a student cries "circle of fire! Spin around" and attempts to kill his fiancee Clara after looking at her through glasses bought from the sinister Coppelius. Freud's essay "The Uncanny" analyzes this author's story about Nathaniel, who falls in love with Professor Spalanzani's daughter Olympia, but discovers that she is a mechanical doll. For 10 points, name this German author of Gothic short stories such as "The Sandman," which inspired Jacques Offenbach to write an opera about his "tales."
ANSWER: Ernst Theodor Amadeus **Hoffman**

11. July 5, 1934, was known as "Bloody Thursday" in this city. The Blythe-Zellerbach Committee oversaw part of the renewal of this city in the 1950s, which also included the repossession of its port and the destruction of Manilatown. Lamar Hunt attempted to place a giant spacecraft on one of this city's landmarks after it was taken over by AIM in 1969. That landmark was a prison from which no one successfully escaped until its close in 1963. In 1978, a politician from this city was assassinated by Dan White, who was only convicted of manslaughter after he used the "Twinkie Defense." For 10 points, name this California city that elected Harvey Milk and endured large earthquakes in 1906 and 1989.
ANSWER: **San Francisco**

12. This author's extensive correspondence with Victoria Ocampo has been published as *This America of Ours*. This author described "two suffering little gems" "bruised all over by pebbles" in a poem about "a child's tiny feet." The narrator of another poem by this author "leave[s] singing my lovely revenge" after "lower[ing] your body to the sunny, poor earth" "from the icy niche where men placed you." This poet wrote "To him we cannot answer 'Tomorrow,' his name is today" in a poem influenced by her time as an educator, which caused her to be known as "the mother of the nation" in her home country. This poet's grief for the suicide of railway worker Romelio Ureta influenced the title of her collection *Desolation*. For 10 points, name this poet of the *Sonnets of Death*, a female poet from Chile.
ANSWER: Gabriela **Mistral** [or Lucila de María del Perpetuo Socorro Godoy **Alcayaga**]

13. This artist depicted two girls embracing a knight who is handing gold to a kidnapper in his painting *The Ransom*. Charles Dickens wrote that the title figure of one of this man's works was "a hideous, wry-necked, blubbering, red-haired boy in a night gown." A rainbow appears in the background of a work by this man in which the title musician holds her sister. This painter of *The Blind Girl* and *Christ in the House of His Parents* made Elizabeth Siddal submerge herself in a freezing bath to pose as the title character of another of his paintings, in which the title figure is shown holding poppies, daisies, and pansies after drowning herself. For 10 points, name this English painter of *Ophelia*, a member of the Pre-Raphaelite Brotherhood.
ANSWER: John Everett **Millais**

14. One objection to this idea argues that its logic leads to the existence of a "Lost Island." A modal version of this idea argues that its conclusion cannot be proven, but that it is rational to accept its conclusion. According to Kant, this idea falsely assumes that existence is a predicate. Gaunilo rejected this idea, whose modal version was formulated by Alvin Plantinga. Descartes' *Fifth Meditation* puts forth a version of it based on the principle that necessary existence is one of the perfections of a conceivable all-perfect being. This argument is commonly phrased as "a being than which nothing greater can be conceived" must exist. For 10 points, name this argument for the existence of God developed by St. Anselm.
ANSWER: the **ontological** argument [or clear knowledge equivalents]

15. The founder of this field put forth a theory of ten relationships within it, which involve the "rheme," "dicent," and "delome," as well as a threefold classification of objects with resembling relationships, associating relationships, and conventional relationships. Julia Kristeva proposed that this field of study corresponds to the "maternal body" and is exemplified by rhythm and tone as opposed to the grammar and syntax of symbolic language. Charles Sanders Pierce attempted to distinguish this field from dynamic action and died while working on a book about logic "considered as" this. Ferdinand de Saussure identified the components of the items studied in this field as the signifier and the signified. For 10 points, Umberto Eco wrote "a theory of" what field, which studies linguistic and pictoral signs?
ANSWER: **semiotic**s [or **semiology**]

16. The earliest phase of this conflict saw one army use flintlock muskets to ensure a victory at Mollwitz, and naval engagements during it included the Battle of Toulon. The First Carnatic War and King George's War were extensions of this conflict. George II led troops to confront an army marching from Aschaffenburg in the Battle of Dettingen, which took place shortly before the Peace of Abo. It was concluded in 1748 with the Treaty of Aix-la-Chappelle, and this war was initiated by the results of the Pragmatic Sanction. For 10 points, name this conflict that resulted from Maria Theresa's inheritance of the throne of a certain polity.
ANSWER: War of the **Austrian Succession**

17. In one myth system, these animals were treated well for one year and eaten, causing them to be transported to the realm of Kim-un Kamui. After becoming a human by praying for 100 days, one of them mated with Hwanung to birth the first Korean emperor. Another encouraged Hanuman to fly across the ocean to find Sita in the *Ramayana*. In addition to Jambavantha and the one whose sinews were used to make Gleipnir, one was placed on an altar during a feast held by Lycaon before trying to kill his mother, a nymph of Artemis who became one after being seduced by Zeus. For 10 points, name this animal represented by Callisto, who was made into Ursa Major.
ANSWER: **bear**s

18. This country's popular folklore figures include Lazy John, who lays underneath the branches of a guava tree with his mouth open and waits for the fruit to fall into his mouth. Remy Presas founded this country's national martial art, which uses a twenty-eight inch rattan stick, and is called Modern Arnis. This country's folk dances include Cariñosa and Tinikling, and a popular dessert in this country is halo-halo. This country is symbolized by Juan de la Cruz, who wears a wide-brimmed sakalot and a barong, which was introduced by its president Ramon Magsaysay. For 10 points, name this country whose natives speak Tagalog on the islands of Visayas, Mindanao, and Luzon.
ANSWER: the Republic of the **Philippines** [or Republika ng **Pilipinas**]

19. Franz Liszt's pieces for this instrument include a "fantasy and fugue" on the motif B flat, A, C, and B natural. Francis Poulenc composed a concerto for this instrument, timpani, and strings. Johann Pachelbel composed seventy-two choral preludes for this instrument; later choral preludes for this instrument include the set of eighteen "Leipzig" ones by J. S. Bach, who walked on foot to Lubeck to hear Dieterich Buxtehude play it. Bach also composed the Toccata and Fugue in D Minor for this instrument, which is played using foot pedals and stops. For 10 points, name this keyboard instrument that produces sound through large pipes and is commonly played in churches.
ANSWER: pipe **organ**s

20. During the development of this organism, the decapentaplegic gene is needed for patterning the imaginal disks. In this organism, pumilio, vasa, staufen, and tudor are responsible for controlling the position and expression of nanos, which controls posterior pattern formation. Gradients of hunchback, caudal, and bicoid maternal effect genes in this organism are responsible for the activation of segment polarity, gap, and pair-rule genes. Hox gene mutations in this organism include ultrabithorax, one in which antennae are replaced by legs, and another in which compound eyes appear on the end of the legs. For 10 points, identify this model organism commonly used to study development, commonly known as the fruit fly.
ANSWER: **_Drosophila_** _melanogaster_ [prompt on **fruit fly**]

21. One pope of this name believed Conrad of Marburg's lies that the Cathars worshiped Satan, causing him to issue the papal ball *Vox in Rama*. The first pope of this name sent Augustine of Canterbury to convert the Anglo-Saxons in England to Christianity. The eighth pope of this name called for the Third Crusade in 1187. The death of the eleventh pope of this name sparked the Western Schism in 1378. The seventh pope of this name issued the papal bull *Dictatus Papae* banning secular leaders from appointing church officials, sparking the investiture controversy. For 10 points, identify this name shared by a pope who ordered that only years divisible by four hundred were leap years, resulting in the adoption of his namesake calendar.
ANSWER: **Gregory**

22. During his time in a seminary, this character is mentored by Pirard, who later recommends this figure for a position which sees him deliver a memorized message to the Duke of Angoulême. This character receives pre-written romantic letters from Prince Korsakoff to help seduce a woman who compares him to her executed ancestor Boniface. After his death, this character's severed head is placed in a marbled cave by his lover. His relationship with Mathilde de la Mole is later derailed by the revelation of this character's affair with his student Mme. de Rênal, whom this character is executed for shooting. For 10 points, name this overly ambitious protagonist of Stendhal's *The Red and the Black*.
ANSWER: Julien **Sorel** [or **Julien** Sorel]

23. Depending on whether a system is isobaric or isothermal, there may exist invariant, univariant or divariant forms of this condition, a fact reflected in the Gibbs phase rule. In chemistry, ICE charts may be used to calculate property values for a reaction in this state. Statics is the study of a form of this condition in which the net moments and forces on a are both zero. The thermal form of this condition is transitive according to the zeroth law of thermodynamics. Chemical ones of these are stable as Le Châtelier's principle states that a system perturbed from this state will shift back toward it. For 10 points, name this condition in which, roughly speaking, a system will not change over time unless acted upon by outside forces.
ANSWER: **equilibrium**

1. Jacques Monod discovered the first of these structures, which contains an attenuator sequence unlike the later-discovered lac type. For 10 points each:
[10] Name these transcription-regulating structures that contain multiple genes and a namesake sequence. The trp and ara ones are well-studied examples of these.
ANSWER: **operon**s
[10] Operons also contain these DNA sequences that bind RNA polymerase. The lac operon one contains a second binding site for the CAP-cAMP complex.
ANSWER: **promoter**s
[10] In bacteria, this sequence within the promoter is bound by RNA polymerase in order to allow transcription to occur. It is analagous to the TATA box in eukaryotes.
ANSWER: **Pribnow** box

032-09-12-02201

2. These weapons mowed down French soldiers at the Battle of Pavia. For 10 points each:
[10] Name this early muzzle-loading gunpowder weapon with a matchlock, that succeeded the hand cannon, and was used primarily against enemies wearing steel plate armor.
ANSWER: **arquebus** [or **harkbus**; or **hackbut**]
[10] Arquebuses don't work as well in the rain, a lesson that the Comuneros learned when they lost to this man at the Battle of Villeroi. This Spanish Holy Roman Emperor also crushed the Schmalkaldic League at the Battle of Mühlberg.
ANSWER: **Charles V** [or **Charles I** of Spain; prompt on **Charles**]
[10] Charles was a successful member of this dynasty, which persisted in Spain for another two hundred years, growing more and more prominent lower jaws due to inbreeding.
ANSWER: **Hapsburg**

020-09-12-02202

3. The proof or disproof of this hypothesis was the first of Hilbert's problems. For 10 points each:
[10] Name this hypothesis which states that there is no set whose cardinality is strictly between that of the integers and that of the reals.
ANSWER: the **continuum** hypothesis
[10] The continuum hypothesis was proposed by this set theory pioneer. He deduced an important property of the reals with his so-called diagonalization argument.
ANSWER: Georg **Cantor**
[10] Cantor's diagonalization argument shows that the reals are a set of this type. Sets of this type are infinite but, cannot be placed in one-to-one correspondence with the natural numbers.
ANSWER: **uncountable** sets [or **uncountably infinite** sets]

024-09-12-02203

4. This geographical feature consists of the Springfield and Salem Plateau and the Boston and St. Francois Mountains. For 10 points each:

[10] Name this series of mountains and plateaus found in southern Missouri and northern Arkansas.

ANSWER: **Ozarks**

[10] A river named for this color flows through the Arkansas portion of the Ozarks. This color also names a New Hampshire mountain range that includes Mount Washington.

ANSWER: **white**

[10] An area known as the U.S. Interior Highlands is composed of the Ozarks and this mountain range found in western Arkansas and eastern Oklahoma.

ANSWER: **Ouachita** Mountains

5. This man served as the first commandant of the Whampoa Military Academy. For 10 points each:

[10] Name this Kuomintang leader who, after being defeated by the Communists in the late 1940's, fled to Taiwan where he autocratically ruled as the President of the Republic of China until his death in 1975.

ANSWER: **Chiang Kai-shek** [accept either, also accept **Jiang Jieshi** or **Chiang Chung-cheng** or **Chiang Chieh-shih**]

[10] In this December 1936 incident, Chiang was abducted by Manchurian warlord Zhang Xueliang. Zhang wanted Chiang's nationalists to ally with the Communists to fight the looming Japanese threat.

ANSWER: **Xi'an** Incident

[10] Another opponent of the Kuomintang was this man, who after succeeding Sun Yat-sen as provisional president in 1912, began to politically persecute the Kuomintang. He would later declare himself emperor in 1916.

ANSWER: **Yuan Shikai** [accept either, also accept **Yuan Xiangcheng**]

6. This book predicts that the star of Wormwood will fall upon the waters after an angel blows the third of seven trumpets. For 10 points each:

[10] Name this final Biblical book, which describes the opening of seven seals and the arrival of the harlot of Babylon, and is traditionally ascribed to John of Patmos.

ANSWER: Book of **Revelation** [or the **Apocalypse**]

[10] The Book of Revelation is a major subject of this branch of theology, which studies beliefs in the end times.

ANSWER: **eschatology**

[10] In the Book of Revelation, John of Patmos describes seeing this number of believers in heaven with the name of God inscribed on their foreheads. Although most theologians believe this number is symbolic, the Jehovah's Witnesses preach that exactly this many people will enter heaven.

ANSWER: **one hundred and forty four thousand**

7. This pianist recorded *Explorations* and *Portrait in Jazz* with a trio that included Paul Motian and Scott LaFaro, and went on to create the *Conversations With Myself* using studio multitracking. For 10 points each:
[10] Name this composer of "Waltz for Debby" and "Blue in Green," who was most widely heard as the primary piano player on *Kind of Blue*.
ANSWER: William John "Bill" **Evans**
[10] The majority of *Kind of Blue* was composed by this trumpeter, who led the group that recorded the album. His other works include *Birth of the Cool* and *In a Silent Way*.
ANSWER: Miles Dewey **Davis** III
[10] Both John Coltrane and Cannonball Adderley play sax solos on this track from *Kind of Blue*. Most editions of the album include two separate takes of this Spanish-influenced piece.
ANSWER: "**Flamenco Sketches**"

019-09-12-02207

8. He steals some candlesticks from a bishop after being labeled 24601 during a prison sentence incurred from stealing bread. For 10 points each:
[10] Name this protagonist of Victor Hugo's *Les Miserables*.
ANSWER: **Jean** Valjean [or Jean **Valjean**]
[10] Jean Valjean at first opposes his adopted daughter Cosette's relationship with this man. He fights at the barricades before marrying Cosette.
ANSWER: **Marius** Pontmercy [or Marius **Pontmercy**]
[10] Jean assumes this pseudonym to become a wealthy factory owner and mayor. Inspector Javert becomes suspicious of this persona when he lifts a wagon to rescue a man.
ANSWER: Monsieur **Madeleine**

015-09-12-02208

9. It requires market segmentation, in which consumers are divided into homogeneous and identifiable groups. For 10 points each:
[10] Name this practice of selling a good at different prices to different buyers.
ANSWER: **price discrimination**
[10] Price discrimination reduces profit, but increases competition in this scenario where the market only has a few sellers.
ANSWER: **oligopoly**
[10] This 1936 law banned several practices considered anti-competitive including price discrimination, except in cases where it is needed in a good faith effort to compete.
ANSWER: **Robinson-Patman** Act

001-09-12-02209

10. Near the end of this novel, the narrator discovers used streams for sale at the Cleveland Wrecking Yard. For 10 points each:
[10] Name this 1967 novel, whose narrator encounters a Kool-Aid Wino and mails a legless wino to Nelson Algren. Its narrator searches for the pastoral innocence represented by the title creatures.
ANSWER: *__Trout Fishing in America__*
[10] *Trout Fishing in America*'s quest for a pastoral American experience echoes this book by Henry David Thoreau, which describes the two years he spent living by the title pond.
ANSWER: *__Walden__*
[10] A recurring motif of *Trout Fishing in America* is a San Francisco statue of this diplomat. His autobiography details his "project of arriving at moral perfection" by recording how often he practiced thirteen virtues.
ANSWER: Benjamin **Franklin**

11. These can be resolved by using linear probing or separate chaining. For 10 points each:
[10] Name these occurrences that happen when two inputs are mapped to the same output.
ANSWER: **collision**s
[10] Collisions are harmful when they occur in these structures, made up of an array and an associative function used for storing data.
ANSWER: associative **hash**es (or **hash table**s)
[10] Chaining to resolve collisions makes use of a linked kind of this structure. These structures in general consist of nodes containing a value, a pointer to the next node, and possibly other pointers.
ANSWER: linked **list**s

12. Popular examples of this genre of novels include Henry Mackenzie's *The Man of Feeling* and Susan Warner's *The Wide, Wide World*. For 10 points each:
[10] Name this genre of novels popular with female readers in the second half of the eighteenth century and the first half of the nineteenth. They exalt the power of the emotions over law and reason.
ANSWER: **sentimental** novels [or novels of **sensibility**]
[10] This Irish author helped popularize the sentimental novel with his book *A Sentimental Journey*. He celebrated the power of the sentiments with his gentle characters Uncle Toby and Corporal Trim.
ANSWER: Laurence **Sterne**
[10] This author satirized the sentimental novel in his books *Shamela* and *Joseph Andrews*. He expanded the bounds of the English novel by writing *Tom Jones*.
ANSWER: Henry **Fielding**

13. While serving as secretary general of the United Nations, this man established an emergency force to help resolve the 1956 Suez Crisis. For 10 points each:
[10] Name this Swedish diplomat, who died in a plane crash while on a mission to resolve civil war in Congo.
ANSWER: Dag **Hammarskjold**
[10] Hammarskjold's predecessor as secretary general was this Norwegian, who ceased to be recognized as secretary general by the Soviet Union due to the UN's involvement in the Korean War.
ANSWER: Trygve **Lie**
[10] This man served as secretary general from 1972 to 1981. He was elected president of Austria in 1986 despite revelations that he served as an interpreter and intelligence officer to a German unit in World War II that committed war crimes.
ANSWER: Kurt **Waldheim**

14. Walter Damrosch commissioned this composition, which was premiered by the New York Symphony Orchestra in 1925. For 10 points each:
[10] Name this three-movement concerto strongly influenced by jazz. Its first movement ends with the orchestra energetically playing the Charleston.
ANSWER: *Concerto in F*
[10] Damrosch commissioned this composer to write the *Concerto in F* after hearing the premiere of his *Rhapsody in Blue*.
ANSWER: George **Gershwin**
[10] Unlike many fellow American composers, including Virgil Thompson and Aaron Copland, Gershwin did not study under this influential French music teacher, who made her students memorize *The Well-Tempered Clavier*.
ANSWER: Nadia **Boulanger**

15. Troops from the defeated side had already been overwhelmed previously at Amba Alagi, but this didn't keep Oreste Baratieri from allowing his troops to be destroyed piecemeal through an uncoordinated attack. For 10 points each:
[10] Name this 1896 battle which saw troops under Menelik II overwhelm four brigades of Italian infantry.
ANSWER: Battle of **Adwa** [or Battle of **Adowa**]
[10] Adowa was a turning point in the history of this nation later led by Haile Selassie, which along with Liberia became one of only two African countries to remain free of European imperialism in the 19th century.
ANSWER: **Ethiopia**
[10] Ethiopia was later headed by a communist junta called the Derg, which was led by this war crimes perpetrator who cracked down on student unrest in the Red Terror.
ANSWER: **Mengistu** Haile Mariam

16. Name some things about the philosophy of language, for 10 points each.
[10] This American philosopher claimed that names are created in a process of "initial baptism" in his major tome, *Naming and Necessity*.
ANSWER: Saul Aaron **Kripke**
[10] This philosopher discussed the statement "The present king of France is bald" in "On Denoting," and also co-authored *Principia Mathematica*.
ANSWER: Bertrand Arthur William **Russell**
[10] This founder of twentieth-century linguistics developed the idea of the linguistic sign in his posthumously published work, the *Course in General Linguistics*.
ANSWER: Ferdinand de **Saussure**

024-09-12-02216

17. For 10 points each, name these nineteenth century French authors.
[10] This author's novel *The Mysterious Island* describes the backstory of Captain Nemo, who commands the Nautilus in this author's *Twenty Thousand Leagues Under the Sea*.
ANSWER: Jules **Verne**
[10] This author of *Tartarin of Tarascon* collected his short stories about southern France in *Tales From My Windmill*. Georges Bizet composed incidental music to this author's play *L'Arlesienne*.
ANSWER: Alphonse **Daudet**
[10] In the preface to his novel *Mademoiselle de Maupin*, this author advocated the aesthetic of "l'art pour l'art," or "art for art's sake."
ANSWER: Theophile **Gautier**

004-09-12-02217

18. For 10 points each, answer the following about interference in psychology.
[10] In this effect, the sound of one consonant is paired with a video of a mouth enunciating a different consonant. The result is that the listener hears a third consonant altogether.
ANSWER: **McGurk** effect
[10] This similar effect asks subjects to state the color of a printed word. The problem is that the printed word is a color other than the color the word is printed in.
ANSWER: **Stroop** effect
[10] The Bruner-Postman experiment created "trick" versions of these objects, in which everything was the same except that the color was incongruous. It took subjects four times as long an exposure time to identify them.
ANSWER: playing **cards**

003-09-12-02218

19. Name these third-place Presidential candidates, for 10 points each.
[10] After capturing nineteen percent of votes in the 1992 election, this Texas businessman founded the Reform Party, under whose banner he ran again in 1996.
ANSWER: Henry Ross **Perot**
[10] This Vice-President to James Buchanan finished behind Abraham Lincoln and Stephen Douglas as the pro-slavery Democrats' candidate in 1860. His actor grandson achieved similar success by portraying "The Ruler" in *Plan 9 From Outer Space.*
ANSWER: John Cabell **Breckenridge**
[10] This Presbyterian minister and cofounder of the ACLU was the recurring Socialist Party candidate for President from 1928 to 1948, finishing in third place twice.
ANSWER: Norman Mattoon **Thomas**

019-09-12-02219

20. Bryce, Anthelea, and ten more of these figures were born to Polyxo, while the rest were born to Pieria and other women. For 10 points each:

[10] Name these fifty daughters of a namesake king, whose brother Aegyptus tried to set them up with fifty sons of his own, though forty-nine of these figures killed their suitors.

ANSWER: **Danaid**es

[10] The sole Daniad to not kill her suitor was Hypermnestra, who was saved from her father's wrath by this goddess of love.

ANSWER: **Aphrodite** [or **Cytherea**; or **Cypris**; or even **Venus**]

[10] For their crime, the Danaides were forced to eternally fill a bath with water from jugs that were actually sieves in this location, the deepest abyss of the underworld.

ANSWER: **Tartarus** [or **Erebus**]

020-09-12-02220

21. An example is Avery Island in Louisiana. For 10 points each:

[10] Name these intrusions of a namesake substance into rock. Hydrocarbon pockets are often found beneath these structures, making them prized by oil seekers.

ANSWER: **salt dome**s

[10] These are folds in a rock layer which are convex up. They are caused when layers of rock are inverted. Like salt domes, they are often a marker of nearby extractable hydrocarbons.

ANSWER: **anticline**s (do not accept or prompt on "synclines")

[10] Kerogen is found in the "oil" variety of this type of rock, a sedimentary rock that can metamorphose to become shale.

ANSWER: **slate**

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