1. Paul Deroulede accused this man of supporting Cornelius Herz in a financial scandal. An argument with Theophile Delcasse led to this man's resignation as Minister of the Interior. This rival of the Boulangists sought to weaken a neighboring country after insisting that a treaty be signed in the Hall of Mirrors. That treaty supported by this man also included a (*) war guilt clause for Germany. For 10 points, name this Frenchman who worked with Lloyd George and Wilson at the Paris Peace Conference.
ANSWER: Georges Clemenceau
124-12-53-02102
2. In 2001 this organization came under fire for hiring discrimination based on sexual orientation, leading James Dobson to claim they had lost their "moral integrity." The title character in a George Bernard Shaw play is offended when Andrew (*) Undershaft makes a large donation to this organization. This organization runs the annual Red Shield Appeal. Volunteers for this organization can be found in December ringing bells next to red kettles. For 10 points, name this charitable organization founded in 1865 by William Booth, structured similarly to the military.
ANSWER: Salvation Army
002-12-53-02103
3. A work by this composer called The Northern Pines was written for the National Music Camp. The theme to Monty Python's Flying Circus is from a work by this man called The Liberty Bell. In another work by this composer of The (*) Thunderer and The Washington Post, the trio is repeated with a countermelody based on A-flat major arpeggios and trills played by one or more piccolos. For 10 points, name this American "March King" who wrote The Stars and Stripes Forever.
ANSWER: John Philip Sousa
142-12-53-02104
4. In this novel, Tanemund (TAHN-eh-moond) presides over the burial one of the title characters. Another character in this work accuses Duncan Heyward of racism because he prefers to marry Alice over Cora. One of this novel's title characters is stabbed in the back by Magua (MAH-GWAH) , a Huron, when he attempts to avenge Cora's death. (*) Uncas (OON-kahs) and Chingachgook (CHIN-gahtch-gook) are the title characters of this novel. Hawkeye is the name assumed by Natty Bumppo in this novel. For 10 points, name this "Leatherstocking Tale" by James Fenimore Cooper novel about the extinction of the namesake tribe.

## ANSWER: The Last of the Mohicans

131-12-53-02105
5. In RLC circuits, these objects are analogous to springs. The energy stored in these devices is proportional to the square of the voltage drop across them, and can be increased by inserting a dielectric. The strength of one type is given by electric permittivity times $\mathbf{(}^{*}$ ) area divided by thickness; that type is made of two parallel plates. Their strength is measured by a very large SI unit, so it is often given in microfarads instead. For 10 points, name these circuit components that store charge.
ANSWER: capacitors
6. This country's namesake tectonic plate is affected by the east side of the Davie Fracture Zone. Daewoo tried to lease over three million acres of land from this nation in 2009. The northern part of this nation features the (*) Tsaratanana Massif, and its national capital is also the capital of the Analamanga Region and is the site of the palace once used by the rulers of the Merina Kingdom. For 10 points, name this island nation, the home of lemurs, found to the southeast of the mainland of Africa.
ANSWER: Madagascar
088-12-53-02107
7. This man converted to socialism during his wife Kamala Kaul's fight against tuberculosis in Switzerland. He was succeeded in his most famous post by Lal Bahadur Shastri. This man's government oversaw the passing of the Untouchability Act and the seizure of the Portuguese colony of Goa. He said, "The light has gone out of our lives and there is darkness everywhere" when announcing the $\left(^{*}\right)$ assassination of Mahatma Gandhi. For 10 points, name this first prime minister of post-independence India.
ANSWER: Jawaharlal Nehru
030-12-53-02108
8. This organelle contains Xrn1p in P bodies, and clusters of p80 in Cajal (cah-HAL) bodies. It also contains small structures called speckles, which are used for splicing. This organelle is surrounded by a lamina-supported double membrane that is continuous with the endoplasmic (en-doh-PLAH-smick) reticulum (ree-TICK-yoo-lum). This organelle also contains a small dark-staining body responsible for $\left({ }^{*}\right)$ ribosome production. For 10 points, name this organelle found in eukaryotes (yoo-KAH-ree-yotes) that contains the nucleolus (new-klee-OH-luss) and stores a cell's genetic material.
ANSWER: nucleus
048-12-53-02109
9. This author wrote a novel about a middle-aged failure who goes off to gamble at Monte Carlo, only to find that his wife has declared him dead in his absence. This author described the drowning of one character in a fountain and the suicide of The Boy by revolver. An incestuous character created by this author of The Late Mattia Pascal becomes a prostitute to Madame Pace (PAH-che). This man's play Mixing It $\boldsymbol{U p}$ is rehearsed by a ${ }^{(*)}$ ) troupe led by the Stage Manager in his most famous work. For 10 points, name this Italian dramatist who wrote Six Characters in Search of an Author.
ANSWER: Luigi Pirandello
020-12-53-02110
10. One character in this work annoys Frosch by singing in his jail cell. Later in that scene, the "Audition Aria" is sung by Adele, who earlier reacted to the suspicion of the "Marquis Renard" with the 'Laughing Song." Another character sings a Hungarian csardas ("CHAR"-dahsh) after stealing her husband's $\left({ }^{*}\right)$ watch. At the end, Falke tells Eisenstein that the title animal has gotten its revenge. For 10 points, name this Johann Strauss operetta about Prince Orlofsky's costume ball, whose title translates to "The Bat."
ANSWER: Die Fledermaus [accept The Bat early]
142-12-53-02111
11. Theseus was trapped sitting on a chair in this place until rescued by Heracles. Aeneas left this place through the gate of ivory, which is also where false dreams leave this place, and entered it with the help of a golden bough. A river of forgetfulness, Lethe (LEE-thay), runs through here, and the gods swear oaths by a river that runs from this place, the river (*) Styx. Another river, Acheron, can only be crossed by paying Charon to ferry one across. For 10 points, name this place ruled by its namesake brother of Zeus which houses the souls of the dead.
ANSWER: Hades [or underworld; or Orcus]
121-12-53-02112
12. A man in a red shirt and black hat can be seen looking out of a church at the top of this work. Two figures facing each other in this painting are both wearing necklaces with multicolored beads and a white crucifix. The tree of life is depicted at the bottom of this work. A violinist in this work looks over her shoulder at a man holding a scythe at the top right, which also shows a row of houses, two of them upside down. The canvas is dominated by a (*) green-faced man looking at a lamb. For 10 points, name this painting by Marc Chagall.
ANSWER: I and the Village
048-12-53-02113
13. This country was the center of the cultural revival known as the Nahda, and it was home to the author of The People of the Cave, Tawfiq (tao-FEEK) al-Hakim. The scientist Arafa becomes the fifth and final protagonist of an allegorical novel written by an author from this country, Children of Gebelawi. That same author from here wrote about the death of this country's president in The Day the Leader Was Killed and about the family of Al-Sayyid Ahmad in such books as (*) Palace Walk. For 10 points, name this country where Naguib Mahfouz wrote the Cairo Trilogy.
ANSWER: Arab Republic of Egypt [or Jumhuriyat Misr al-Arabiyah]
019-12-53-02114
14. Theoretically, these entities can be divided into dependency or phrase-structure types. The widely accepted transformational one is a version of the latter. A generative one of these predicts orders of ${ }^{(*)}$ words that intuitively make sense. Noam Chomsky proposed the idea of a "universal" one of these, that is innate in human brain structure and underlies all languages. For 10 points, name this term that describes a set of rules for correctly constructing sentences in a language.
ANSWER: grammars
131-12-53-02115
15. The smallest one of these objects is the Juan de Fuca one. The Nazca one of these objects is part of the Chile Triple Junction. The North American one extends to the Mid-Atlantic ridge. (*) Subduction zones usually occur because those that are made of basalt are heavier than those made of granite. These objects float on the asthenosphere and name a scientific theory when followed by "tectonics." For 10 points, name these regions of the lithosphere that meet at transform, divergent and convergent boundaries. ANSWER: plates

066-12-53-02116
16. This author wrote about an incompetent secret agent's journey to the Crimea in his novel about Dennis Hilier titled Tremor of Intent. A Muslim conspiracy to take over Britain is the subject of his 1985. Affairs with Anne Whately, Henry Wriothesley, and the Dark Lady occur in his novel about William Shakespeare's love life, Nothing Like the Sun. Something Something Rubinstein and F. Alexander oppose Dr. Brodsky's use of the (*) Ludovico Technique in another novel he wrote, which sees Alex lead his "droogs" in "ultraviolence." For 10 points, name this author of A Clockwork Orange. ANSWER: Anthony Burgess [or Joseph Kell; or John Anthony Burgess Wilson]
17. This figure is the first-person narrator of one song in which he hopes 'to call my true love to my dance." Besides "Tomorrow Shall Be My Dancing Day," another song addresses him and exclaims, "Alpha es et $O$ !" That song, "In dulci jubilo," is sung on the same holiday as a song that says "Hodie," this man's name, and (*) "natus est." Another song about him is sung to the tune of "Greensleeves" and is called "What Child Is This?". For 10 points, name this religious figure whose namesake mass is on December 25th.
ANSWER: Jesus Christ [or Jesus Christ; or Jesus of Galilee; or Jesus of Nazareth; or Yehoshua; or Yeshua]
18. Following this event, the Nonjurors refused to take an oath of loyalty. This event was precipitated when a male son was born to Mary of Modena. A figure involved in this event landed at Brixham, and John Churchill defected to that figure. A standing army was banned in times of peace in the Bill of ${ }^{*}$ ) Rights that was passed after this event, and this event solidified the power of Parliament. For 10 points, name this 1688 to 1689 event in which James II was overthrown by William and Mary. ANSWER: Glorious Revolution

030-12-53-02119
19. In the Gulf Coast, this element is extracted by superheating water to about one hundred seventy degrees Celsius in what is known as the Frasch process and, in the U.S., nine million tons of this element are recovered by burning via the Claus process. Proteins stabilize themselves when two of these elements combine to form a namesake (*) bridge. The scent of freshly chopped onions and skunks are caused by this element's presence, which is also responsible for the smell of rotten eggs. For 10 points, name this element with atomic number 16 and chemical symbol S.
ANSWER: sulfur
130-12-53-02120
20. This man's victories at Front Royal, Cross Keys, and Port Republic were part of his Shenandoah Valley campaign. After capturing Harper's Ferry, he was attacked by Hooker to begin the Battle of Antietam. This general fond of eating lemons died soon after losing his left ( ${ }^{*}$ ) arm due to friendly fire at Chancellorsville. For 10 points, name this Confederate general, who got his most famous nickname after the First Battle of Bull Run for his steadfastness.
ANSWER: Stonewall Jackson [or Thomas Jonathan Jackson]
142-12-53-02121
21. The Doctors' Plot was one conspiracy invented by this man shortly before his death. His policies of dekulakization and agricultural collectivization cost hundreds of thousands of lives in disasters such as the Holodomor famine in the Ukraine. This leader used the NKVD, his secret police, to pursue the Great Purge of the Communist Party. This man represented his country at the (*) Potsdam Conference. For 10 points, name this dictator of the Soviet Union who came to power after the death of Lenin.
ANSWER: Joseph Vissarionovich Stalin [or Iosif Vissarionovich Dzhugashvili]
141-12-53-02122
22. This organ contains major and minor calyxes and produces the hormone calcitriol (cal-sih-TREE-all) to increase calcium uptake. It also secretes renin to help produce angiotensin (an-gee-oh-TEN-sin). Functions of it include blood pressure regulation and maintaining acid-base homeostasis. The ureter connects this organ to the (*) bladder. The Loop of Henle is a part of the basic functional unit of them called the nephron. For 10 points, name the pair of bean-shaped organs that filter the blood and produce urine.
ANSWER: kidneys
23. At the beginning of a story by this man, two nuns along with Madame Loiseau (luaw-SO) and others board a coach to Le Havre. In that work, he describes how Elisabeth Rousset (rue-SAY) is forced to sleep with an officer to leave Prussian territory. This author of "Ball of Fat" also wrote a work in which Madame Loisel (lwah-ZELL) (*) loses the title borrowed object, works for years to buy a new one, and finally discovers it was a fake. For 10 points, name this French author of "The Necklace." ANSWER: Guy de Maupassant (GEE deh MOE-puh-SAHNT)

1. Blondin walked a tightrope across the Central Transept during this event. For 10 points each:
[10] Name this 1851 event organized by Prince Albert, an opulent fair held in the Crystal Palace.
ANSWER: Great Exhibition of the Works of Industry of all Nations
[10] The Crystal Palace was designed by this architect, who also built several Green Houses at Chatsworth. ANSWER: Joseph Paxton
[10] The reigning monarch at the time of the Great Exhibition was this wife of Albert, Empress of India, and longest-serving British monarch.
ANSWER: Alexandrina Victoria
020-12-53-02201
2. Answer these questions about means of reproduction, for 10 points each.
[10] This cell division results in four sex cells being produced from a single parent cell. During prophase 1, corresponding chromosomes pair up before being split up.
ANSWER: meiosis (my-OH-sis)
[10] The sex cells produced by meiosis are generally known as these cells which contrast with somatic cells. More specifically they are divided into sperm and eggs.
ANSWER: gametes
[10] Normally embryos form when sperm fertilize eggs. However, in this form of asexual reproduction, an embryo develops from an unfertilized egg.
ANSWER: parthenogenesis (pahr-theh-noh-GEH-neh-sis)
3. Virginia and Upper Matecumbe, the home of Islamadora, are parts of this chain. For 10 points each: [10] Name this chain of islands, which partially comprise Biscayne National Park and are found to the east of the Dry Tortugas.
ANSWER: the Florida Keys
[10] This seat of Monroe County once satirically declared independence as the "Conch Republic." It is the endpoint of the Florida Keys.
ANSWER: Key West
[10] This thirty-mile long home of the John Pennekamp Coral Reef is the largest Florida Key and is the original source of key limes.
ANSWER: Key Largo
4. Answer the following about the phrase "I'm the best" for 10 points each.
[10] In a "short imagined monologue" on McSweeneys.net, this font proclaims "I'm the best thing to happen to typography since Johannes Gutenberg." A website has called for banning this ubiquitously playful font, which was derived from copies of Watchmen and The Dark Knight Returns.
ANSWER: Comic Sans MS
[10] This Lil Wayne protege recorded 2009's Pink Friday album, which includes "Your Love," "Check It Out," and "I'm the Best."
ANSWER: Nicki Minaj [or Onika Tanya Maraj]
[10] This character from the Mario Brothers universe wears a mushroom cap and shouts "I'm the best!" when he wins a race in Mario Kart 64.
ANSWER: Toad
5. The MOND theory of this fundamental force divides the mass factor in Newton's universal law of this force by a factor of mu times a over a-nought. For 10 points each:
[10] Name this weakest of the four fundamental forces. This force's "universal constant" was measured by the Cavendish experiment.
ANSWER: gravity [accept gravitation]
[10] This theory, developed by Albert Einstein, is used to describe gravity. LIGO attempts to measure gravitational waves that are predicted by this theory.
ANSWER: general relativity[accept GR]
[10] General relativity predicts that light passing by massive objects experiences the gravitational form of this effect. Quasars experience some of the highest recorded values of this effect, which is used in Hubble's law to determine the distance to celestial objects.
ANSWER: redshift
149-12-53-02205
6. In a novella, this author wrote about a companion of Govinda who chooses not to follow the Buddha. For 10 points each:
[10] Name this German-Swiss author of Siddhartha, who wrote about Joseph Knecht in The Glass Bead Game.
ANSWER: Hermann Hesse
[10] Harry Haller writes a manuscript subtitled "for madmen only" in this Hesse work, whose other characters include Hermine and the saxophonist Pablo.
ANSWER: Steppenwolf [or Der Steppenwolf]
[10] Pablo invites Harry to visit this supernatural location, which contains an enormous mirror and a large number of doors with inscriptions on them.
ANSWER: the Magic Theater
7. He wrote the socialist treatise The Road to Wigan Pier. For 10 points each:
[10] Name this British author who recounted his experiences in the Spanish Civil War in Homage to Catalonia.
ANSWER: George Orwell [or Eric Arthur Blair]
[10] This novel by George Orwell describes Winston Smith's torture and reeducation at the hands of the Thought Police. He had been an employee of the Ministry of Truth, in which capacity he altered past news articles.
ANSWER: 1984
[10] In 1984, this man tricks Winston Smith into thinking he is a follower of Emmanuel Goldstein and turns out to be a Party loyalist. He ultimately becomes Winston Smith's interrogator.
ANSWER: O'Brien
8. A forged painting similar to this one was entitled Smiling Girl. For 10 points each:
[10] Identify this painting in which a young woman with her hair wrapped in a blue and yellow cloth looking out at the viewer. The title piece of jewelry is visible dangling above her shoulder.
ANSWER: Girl with a Pearl Earring
[10] This Dutch artist of The Milkmaid and a picture of his hometown entitled View of Delft painted Girl with a Pearl Earring.
ANSWER: Jan Vermeer
[10] This other Vermeer painting depicts the title figure in a green robe standing next to a table and extending his hand to touch a globe.
ANSWER: The Astronomer
9. These languages are sometimes classified according to a certain sound change into the " P " and "Q" subgroups, and their grammars involve processes of consonant mutation. For 10 points each:
[10] Name this branch of the Indo-European family, which includes Goidelic or Gaelic languages such as Irish and Brythonic languages such as Welsh.
ANSWER: Celtic languages
[10] The Celtic languages are known for their unusual word order, whereby this element of the sentence comes first. In English, by contrast, this is usually found between its subject and direct object.
ANSWER: verb
[10] The ancient Continental Celtic languages, such as Gaulish and Celtiberian, are now extinct; however, this Insular Celtic language closely related to Cornish was brought over in the fifth century and is still spoken in nothern France.
ANSWER: Breton [or Brezhoneg]
10. This plan relied heavily on the enthusiasm of liberated Alsatians and the élan vital of the French troops. For 10 points each:
[10] Name this strategy created by the French General Staff to be put in place in the event of a war with Germany. It was implemented at the beginning of World War I with little success.
ANSWER: Plan $\underline{17}$
[10] While the French were attacking Germany's western frontier, the Germans followed this plan named for German Chief of the General Staff. It involved invading France from the north.
ANSWER: Schlieffen Plan
[10] To invade France from the north, the Germans violated the neutrality of this country, prompting
England to enter the war. One of the first battles of the war occurred in this country's city of Liège.
ANSWER: Belgium
121-12-53-02210
11. This character, originally from the north, lives in Louisiana during the course of the novel in which he appears. For 10 points each:
[10] Name this vicious slave owner who orders the death of the title character in Uncle Tom's Cabin.
ANSWER: Simon Legree [or Simon Legree]
[10] Uncle Tom's Cabin was written by this woman.
ANSWER: Harriet Beecher Stowe
[10] Uncle Tom is owned by this man before he is bought by Simon Legree. He promises to free Tom but is stabbed to death before he can do so.
ANSWER: Augustine St. Clare [or Augustine St. Clare]
064-12-53-02211
12. This man wrote about Johan Ludvig Heiberg in The Crisis and a Crisis in the Life of an Actress. For 10 points each:
[10] Name this Danish philosopher who used such aliases as "Johannes Climacus" and "Hilarius
Bookbinder" to produce existentialist works such as Either/Or and Fear and Trembling.
ANSWER: Soren Aabye Kirkegaard
[10] This Kirkegaard book examines the concept of despair, which he contrasts with faith. Its title is a reference to the Gospel of John, when Jesus revives Lazarus.
ANSWER: The Sickness Unto Death
[10] This modern existentialist author was heavily influenced by Kirkegaard. In his work Being and Nothingness, this philosopher discusses the concept of "bad faith," in which a person defines himself by his social role.
ANSWER: Jean-Paul Charles Aymand Sartre
052-12-53-02212
13. Diseases associated with this organelle include Hurler's syndrome. For 10 points each:
[10] Name this organelle which uses hydrolytic (high-droh-LIH-tick) enzymes to digest macromolecules.
ANSWER: lysosome
[10] This other metabolic organelle breaks down its namesake toxin into hydrogen and oxygen gas.
ANSWER: peroxisome (purr-ACKS-ih-some)
[10] Peroxisomes use this enzyme to catalyze the breakdown of hydrogen peroxide.
ANSWER: catalase
14. This state's fair is home to a namesake straw poll, and in January 2008 a contest in this state was won by Mike Huckabee. For 10 points each:
[10] Name this midwestern state whose caucuses are the traditional beginning of the race to win a nomination during Presidential election cycles.
ANSWER: Iowa
[10] This conservative surged in the last week to nearly win the 2012 Iowa Republican Caucus before losing to Mitt Romney by a margin of eight votes.
ANSWER: Rick Santorum
[10] This Minnesota governor finished third in the Ames straw poll in August 2011, but dropped out of the race soon afterwards.
ANSWER: Tim Pawlenty
002-12-53-02214
15. The first of this set of beliefs is that existence is suffering, and the second is that suffering originates from desire. For 10 points each:
[10] Identify this set of core dogmas in a major religion.
ANSWER: the Four Noble Truths [or Catvari Aryasatyani or Cattari Ariyasaccani]
[10] This religion believes in the Four Noble Truths. It has sects such as the Yellow Hats, led by the Dalai Lamas of Tibet, and the more common Mahayana school.
ANSWER: Buddhism
[10] The last of the Four Noble Truths is that suffering can be relieved by following this list of "right" things in Buddhism.
ANSWER: the Eightfold Path [or Atthangika-magga; or Astangika-marga]
16. This work premiered in 1938 in a performance of the NBC Symphony Orchestra in New York City. For 10 points each:
[10] Name this mournful piece by Samuel Barber, originally the second movement of a larger work. ANSWER: Adagio for Strings
[10] The Adagio for Strings was written as part of a work for this type of ensemble consisting of two violins, a viola, and a cello.
ANSWER: string quartets
[10] This renowned Italian conductor gave the first performance of Adagio for Strings early on during his seventeen-year stint as director of the NBC Symphony.
ANSWER: Arturo Toscanini
17. Name these nineteenth century inventors, for 10 points each.
[10] This man promoted the use of interchangeable parts for muskets, in addition to inventing the cotton gin.
ANSWER: Eli Whitney
[10] This man took up his father, Robert's, design and developed a mechanical reaper.
ANSWER: Cyrus Hall McCormick
[10] This man clashed with Thomas Edison over the relative merits of alternating and direct current. He also invented the air brake for trains.
ANSWER: George Westinghouse
18. Osmosis is the analog of this process for water. For 10 points each:
[10] Name this movement of molecules from areas of high concentration to areas of low concentration. ANSWER: diffusion [accept word forms]
[10] For a gas, the rate of diffusion is roughly proportional to one over the square root of this quantity. ANSWER: molar mass [prompt on mass]
[10] The relationship between the molar mass of a gas and its rates of diffusion and effusion was discovered by this Scottish scientist.
ANSWER: Thomas Graham
19. For 10 points each, name these British social movements.
[10] This movement began with the breaking of over two hundred stocking frames in Nottingham and remains the poster child for anti-technology movements.
ANSWER: Luddism [or Luddites]
[10] This movement, led by William Lovett and Feargus O'Connor, submitted a namesake petition for working-class rights in 1838, 1842, and 1848.
ANSWER: Chartism [or Chartists; prompt on People's Charter]
[10] Emily Davison was trampled by a horse at the Epsom Derby supporting this movement, which was led by Emmeline Pankhurst and her daughters and not successful until after World War I.
ANSWER: suffragism [or suffragettes; or women's suffrage]
003-12-53-02219
20. In one episode from this novel, the monk Venantius is found dead in a vat of pig's blood. For 10 points each:
[10] Name this novel, in which William of Baskerville is tasked with the job of solving the murders of monks in a Benedictine monastery.
ANSWER: The Name of the Rose [or Il Nome della Rosa]
[10] The Name of the Rose is a novel by this postermodern Italian author of Foucault's Pendulum.
ANSWER: Umberto Eco
[10] Three characters in The Name of the Rose die after reading Aristotle's lost book on this subject. Because Jorge of Burgos despises this subject, he poisons the book's pages.
ANSWER: comedy [or laughter; or obvious equivalents]
21. One short story from this country ends when the protagonist is executed before thinking of a line from an opera to say. For 10 points each:
[10] Name this country in which Lu Xun's "The True Story of Ah Q" is set. The Water Margin and Journey to the West are two of this country's "Four Great Novels."
ANSWER: China
[10] This novel, set during the title period, is another of China's "Four Great Novels." In this novel, Cao Cao (TSAO TSAO) is defeated at the Battle of Red Cliffs by Liu Bei.
ANSWER: Romance of the Three Kingdoms [or San Guo Yan Yi]
[10] In Romance of the Three Kingdoms, Liu Bei, Guan Yu, and Zhang Fei all swear an oath of fraternity to protect the Han Dynasty from the Yellow Turban Rebellion in an orchard named for this type of fruit. ANSWER: peach orchard
