1. Glycoprotein 120 is exposed on the surface of the envelop of the virus that causes this disease. A common tumor found in patients infected with the virus that causes this disease is Kaposi's Sarcoma. This disease is caused by a retrovirus that destroys CD4 plus T-cells. For 10 points, name this autoimmune deficiency disease caused by HIV.
ANSWER: **AIDS** [or **Acquired Immune Deficiency Syndrome** prompt on "HIV"]

084-10-18-06101

2. While volunteering for Barry Goldwater in Arizona, this man urged the enforcement of "literacy test" laws that prevented African-Americans from voting. Watergate figure John Dean wrote a book about how this man's appointment by Richard Nixon to replace Hugo Black "redefined the Supreme Court." Fourteen years after this lawyer joined the bench, the retirement of Warren Burger caused Ronald Reagan to elevate him to Chief Justice. For 10 points, name this jurist who served in that post from 1986 until his 2005 death.
ANSWER: William Hubbs **Rehnquist**

019-10-18-06102

3. This word is an acronym for a Sun file format used to package Java applications. This word also titles an album which has songs like "New Year's Day" and "Sunday Bloody Sunday" by U2. An Edwin Starr song wonders what this is good for to which the refrain offers "Absolutely nothin!" Also the name of a card game involving a standard deck in which equal face value cards invite the titular action, for 10 points, name this word coupled with peace in a Tolstoy novel.
ANSWER: **War**

084-10-18-06103

4. The original planks in this program were passed in the "Hundred Days," leading to a "Second" one two years later. That one included a legal mandate for collective bargaining in the Wagner Act, as well as the appointment of Harry Hopkins to head the Works Progress Administration. Its original bank reforms created the FDIC and SEC, as well as work-generating projects such as the Tennessee Valley Authority. For 10 points, identify this program, which formed the campaign platform and domestic policy of Franklin Roosevelt's administration.
ANSWER: **New Deal**

019-10-18-06104

5. This author published the novella *The Monster*, as well as a book about the brothers Jimmie and Tommie, who are related to the titular "girl of the streets," Maggie. The most famous novel by this man sees the death of Jim Conklin, and features characters as "Loud Soldier," "Tall Soldier," and "Young Soldier," the last of whom is the protagonist, Henry Fleming. Henry survives a charge against a Confederate line in the most famous novel of, for 10 points, what American author of *The Red Badge of Courage?*
ANSWER: Stephen **Crane**

081-10-18-06105

6. This man remains the only MLB player ever to hit the warehouse behind the right field wall at Oriole Park, which he did during the 1993 Home Run Derby. This winner of a Gold Glove every year from 1990 to 1999 was the first pick of the 1987 draft by a team for whom he played the first decade of his career and to whom he returned last year before his retirement this year. For 10 points, name this son of a former Reds player who ended fifth on the all-time home run list, playing mostly for the Seattle Mariners.
ANSWER: Ken **Griffey, Jr.** (prompt on Griffey, do not accept Ken Griffey, Sr.)

081-10-18-06106

7. In this show, a townhouse left to Katherine Rhumor in the wake of her husband's murder and a mysterious four-leaf clover sparks a private investigation. The main character, Will Travers, discovers a gun and an encrypted set of numbers in the seat of the motorcycle given to him by his father-in-law, David. For 10 points, name this TV show on AMC depicting analysts for the American Policy Institute, whose theme of passing a point of no return is suggested by its title, a river famously crossed by Caesar.
ANSWER: **Rubicon**

8. The Joule-Thompson coefficient can be calculated by keeping this quantity constant and taking the partial derivative of temperature with respect to pressure. The net change in this quantity for a reaction can be calculated using Hess's Law. The change in Gibbs free energy can be calculated by subtracting the temperature times the change in entropy from the change in this quantity. At constant pressure, a reaction is exothermic when the change in this quantity is negative. For 10 points, name this thermodynamic quantity that is represented by H.
ANSWER: **enthalpy** [prompt on **H** before mentioned]

9. In Japanese, this English verb translates as "furu" (FOO-roo). In German, it is "werfen" (VAIR-fen). In French, this word is "geter" (je-TAY). In Latin, it is "iactare" (yok-TAH-ray). Spanish uses "tirar" for this verb, which, in English, has a slang meaning of intentionally losing a contest, such as the 1919 World Series. For 10 points, give this word, which normally refers to something one can do with a javelin or baseball.
ANSWER: to **throw**

10. The immense strain on cyclopropane (SY-clo-PRO-pain) is accounted for by the "banana" type of this interaction. A delocalized "sea of electrons" is the defining feature of a type found in metals. Molecular orbital theory was developed to fully understand this interaction, which involves the localization of charge on one of two participating atoms in an ionic kind. For 10 points, identify this interaction between atoms whose "single" and "double" varieties involve covalently sharing electrons.
ANSWER: chemical **bond**s

11. This author, who is not Lillian Hellman, published works like *Little Foxes* under the name Christopher Crowfield, but did not use a pseudonym for works such as *Palmetto Leaves* and *The Minister's Wooing*. The sequel to this woman's most famous novel is titled "A Key" to its titular building. The beginning of that novel sees Arthur and Emily Shelby sell Eliza's son, as well as the titular character. Famous for a novel that features the evil Simon Legree, for 10 points, who is this American author of *Uncle Tom's Cabin*?
ANSWER: Harriet Beecher **Stowe**

12. In 1982, the longtime head of this organization ascended to national leadership as "general secretary." Predecessors of this organization included the Cheka, which was led by Feliks Dzerzhinsky (jur-ZIN-ski), the OGPU, which carried out the "liquidation of the kulaks," and the NKVD, which orchestrated "purge trials" and was led by Lavrenty Beria (lahv-REN-tee BEH-ree-uh). For 10 points, identify this organization which spied on Western countries and suppressed internal dissent as the chief security apparatus of the Soviet Union.
ANSWER: **KGB** [or **Komitet Gosudarstvennoy Bezopasnosti**; or **Committee for State Security**]

13. One policy pursued at one point in the history of this country was the New Course. The New Economic System in this country was replaced by a policy abbreviated as the ESS, which was instituted under Walter Ulbricht. One car produced in this country was the Trabant. This country was led for nearly twenty years by Erich Honecker, who had earlier been in charge of the building of a barrier in this country's capital. For 10 points, name this no longer existent, socialist country whose capital was divided in 1961 by the creation of the Berlin Wall.
ANSWER: **East Germany** [or **German Democratic Republic**; or **GDR**; or **Ostdeutschland**; or **Deutsche Demokratische Republik**; or **DDR**]

14. This author wrote a short story in which Dr. Rabin, the head of the title mental facility, dies of a stroke after being institutionalized himself. This author of "Ward No. 6" wrote a play in which a man nicknamed "Waffles" accompanies the title character, who angrily rejects Serebryakov's plan to move to Finland. In another play by this author, the footman Firs is boarded up inside the title estate, which is sold by Madame Ranevskaya. For 10 points, name this Russian playwright who wrote *Uncle Vanya* and *The Cherry Orchard*
.
ANSWER: Anton Pavlovich **Chekhov**

15. One part of this essay describes a teenage girl who was crucified for trying to poison the emperor of Formosa, and compares that victim to people who wear "foreign fineries which they never will pay for." It predicts such advantages as generating "eight sterlings per annum" for the "poorer tenants" and "lessening the number of papists," while suggesting that the product in question can be "seasoned with a little pepper or salt." For 10 points, identify this pamphlet by Jonathan Swift, which satirically suggests raising Irish children as food.
ANSWER: *A **Modest Proposal** For Preventing The Children of Poor People in Ireland From Being Aburden to Their Parents or Country, and For Making Them Beneficial to The Public*

1A. What highest waterfall in the world is located in Venezuela?
ANSWER: **Angel** Falls

1B. *Discourse on Method* is a work by what French philosopher, who famously said "I think, therefore, I am?"
ANSWER: Rene **Descartes** [or Renatus **Cartesius**]

2A. What simple sorting algorithm compares two adjacent entries and swaps them if they are in the wrong order?
ANSWER: **bubble** sort

2B. What U.S. President from Texas enacted the "Great Society" and "War on Poverty" after succeeding to that role following the assassination of John F. Kennedy?
ANSWER: **L**yndon Baines **Johnson** [or **LBJ**]

3A. This is a 10-second calculation question. If a jaguar catches exactly one antelope from a herd of 4 brown and 26 yellow antelopes, what is the probability that the antelope is brown?
ANSWER: **2/15** [or **2:15**]

3B. This is a 10-second calculation question. What is 20! divided by 18!?
ANSWER: **380**

4A. What literary term refers to the repetition of initial consonant sounds?
ANSWER: **alliteration**

4B. The Intracoastal Waterway runs through what marshlands and swamp of southeast Virginia, which was explored by William Byrd and George Washington and contains Lake Drummond?
ANSWER: **Great Dismal Swamp**

5A. This is a 20-second calculation question. What is the diagonal of a rectangle with sides 8 and 4?
ANSWER: **squareroot of 80** [or **4 squareroot of 5**]

5B. This is a 20-second calculation question. How many 2 foot by 2 foot squares would fit in an 18 foot by 18 foot region?
ANSWER: **81**

6A. What political figure is set to host a CNN talk show with Kathleen Parker despite having resigned from the New York Governorship in a prostitution scandal?
ANSWER: Eliot Laurence **Spitzer**

6B. Which French author wrote *Lost Illusions* and *Pere Goriot* as part of his *Human Comedy*?
ANSWER: Honore de **Balzac**

7A. This is a 30-second calculation question. What is the volume of a sphere with radius 4? State your answer in terms of pi.
ANSWER: **256/3 pi** [or **85 and 1/3 pi**]

7B. This is a 30-second calculation question. What is the interquartile range of the set of numbers {2, 7, 3, 1, 9, 8, 10}?
ANSWER: **7**

8A. Name the Aztec god who had a twin brother named Xolotl (zoh-LAH-tol), gave maize to humans, and is usually depicted as a "feathered serpent."
ANSWER: **Quetzalcoatl** (KWET-zal-coh-AH-tol)

8B. What nation's August 2010 elections saw Tony Abbot lose to the incumbent Prime Minister Julia Gillard?
ANSWER: Commonwealth of **Australia**

9A. This "father of modern science" made used his improved telescope to discover four moons of Jupiter that are now collectively named for him.
ANSWER: **Galileo** Galilei

9B. This british band fronted by Matthew Bellamy wrote "Neutron Star Collision (Love is Forever)" for the *Twilight* movies, and included "Uprising" on their 2009 album *The Resistance*.
ANSWER: **Muse**

10A. The twentieth-century Italian artist Giorgio Morandi excelled in painting this type of work, which depicts everyday life through portrayal of inanimate objects.
ANSWER: **still-life**

10B. What form of energy is equal to one-half the mass times the square of the velocity?
ANSWER: **kinetic** energy

1. In the 1930's, this man signed an agreement with Viceroy Lord Irwin. He renamed the lowly dalit class the "children of god." Earlier in his career, this man worked as a lawyer fighting racism in British-ruled South Africa. Time magazine reporter Margaret Bourke-White showed this man working at his spinning wheel. In 1930, he led a march to protest an unpopular British tax on salt. For 10 points, name this man known for his non-violent policy of satyagraha who led the movement for Indian independence.
ANSWER: Mahatma **Gandhi** [or Mohandas Karamchand **Gandhi**]

064-10-18-06117

2. This shape is the special case of a hypotrochoid where the radius of the small circle is half the radius of the large circle. One of these shapes has an eccentricity of between zero and one, and has two foci, which lie on its major axis. Kepler's first law of planetary motion states that planetary orbits are in this shape. For 10 points, name this oval-shaped conic section.
ANSWER: **ellipse** [do not accept "oval"]

024-10-18-06118

3. The opening lines of Lewis Carroll's "Jabberwocky" are composed of this metrical foot, as are most of Shakespeare's sonnets. Reversing the patterns of stresses in this metrical foot results in a trochee. This is the most common metrical foot used in blank verse. For 10 points, name this metrical foot comprised of an unstressed syllable followed by a stressed syllable, five of which make up a namesake "pentameter."
ANSWER: **iamb**s [or **iambus**; or **iambic** verse; do not accept "iambic pentameter" or "blank verse"; prompt on metrical **foot** before "metrical"]

026-10-18-06119

4. One genus of these organisms is *Aspergillus.* One type of these organisms called "fairy rings" possess cells with more than one nucleus, called coenocytes, while these organisms more typically divided by septa into different sections of cells called hyphae. These hyphae in turn create a connected network called a mycelium. Often reproducing through spore dispersal are, for 10 points, what kingdom of organisms exemplified by mushrooms?
ANSWER: **fungi** or **fungus**

081-10-18-06120

5. In one of this author's works, the title object allows for the affair of Charlotte and Prince Amerigo to be discovered by Maggie Verver. That novel is *The Golden Bowl*. Catherine Sloper is the main character of his *Washington Square*, and Gilbert Osmond marries Isabel Archer in another novel by this author. He also wrote a "ghost story" narrated by the Miles and Flora's governess. For 10 points, name this author of *The Portrait of a Lady* and *The Turn of the Screw*.
ANSWER: Henry **James**

001-10-18-06121

6. This man wrote a novel in which Harry Morgan uses his boat to smuggle liquor and illegal immigrants, *To Have and Have Not*. In one of his novels, Pablo is the husband of Pilar, the leader of a guerilla group that Robert Jordan is working with. That novel takes place during the Spanish Civil War. Another novel by this author is narrated by Jake Barnes, an American expatriate in Paris. He also wrote about the struggles of the fisherman Santiago. For 10 points, name this author of *The Sun Also Rises* and *The Old Man and the Sea*.
ANSWER: Ernest Miller **Hemingway**

001-10-18-06122

7. On this instrument, one can play notes separated by a twelfth by hitting the register key. This instrument is typically assembled from five parts, including the barrel and the bell. Aaron Copland wrote a concerto for this instrument for Benny Goodman, and this instrument plays the opening solo glissando in George Gershwin's *Rhapsody in Blue*. For 10 points, name this woodwind staple of concert bands, a single reed instrument with a pitch lower than the flute.
ANSWER: (B-flat) **clarinet**

8. In one of this man's films, four eras depict how the title concept caused strife in Babylon, the death of Jesus, the St. Bartholomew's Day Massacre, and decadence in modern America. That film, *Intolerance*, was a response to criticism of an earlier film directed by this man in which Silas Lynch's attempt to force Elsie Stoneman to marry him is thwarted by a heroically-portrayed member of the Ku Klux Klan. For 10 points, name this American director of *Birth of a Nation*.
ANSWER: (D)avid (W)ark **Griffith**

9. During this period of time, non-decomposed organic matter formed black shale and this period of time began after the "Great Dying" which occurred at the end of the Permian. The end of this geologic Era is marked by the K-T extinction event, which according to the Alvarez hypothesis was caused by a large asteroid. For 10 points, name this geologic era consisting of the Triassic, Jurassic and Cretaceous periods also known as the age of the dinosaurs.
ANSWER: **Mesozoic** Era [accept **Triassic period** until "K-T" is spoken]

10. She appears in the Old Testament books of First and Second Kings as the wife of King Ahab of Israel and an ardent worshiper of Baal. She acquired Naboth's vineyard for her husband by plotting to have Naboth executed, an act which prompted the prophet Elijah to predict that dogs would eat her corpse. She was killed when her servants pushed her from a window as she stood awaiting an invading army. Name this Biblical figure whose name became synonymous with evil and an insult to women.
ANSWER: **Jezebel**

11. This author attached a story about a man who buys a pair of ruby slippers at auction to his work of film criticism, which opens "When I first saw *The Wizard of Oz* it made a writer of me." This author of novels such as *Fury* and *Shame* also wrote about the switched-at-birth Saleem and Shiva, part of a generation of children born at the moment of India's independence. For 10 points, name this author of *Midnight's Children,* who was targeted for assassination after his controversial *The Satanic Verses.*
ANSWER: Ahmed Salman **Rushdie**

12. A quantum analog of one formula named for this man is named for Ehrenfest (AIR-en-fest). Interference patterns due to an air film between a lens and a glass are called this man's "rings." Another law named for this man is also called the law of inertia, while a third law is often summarized as saying that for every action, there is an equal and opposite reaction. For 10 points, name this British physicist whose three laws of motion include the equation F equals m a.
ANSWER: Sir Isaac **Newton**

13. This country lost much of its territory in the Treaty of Trianon. Members of this country's Arpad dynasty include Stephen I, its first king. During this nation's communist period, it was led by János Kádár (YA-nos KA-dar). This country saw reforms that led to "Goulash Communism." Through the Ausgleich (OWS-glaik) of 1867, this country spent the later half of the nineteenth and early twentieth centuries as part of a dual monarchy with Austria. For 10 points, name this country with capital at Budapest.
ANSWER: Republic of **Hungary** [or **Magyar**orszag; or **Magyar** Koztarsasag]

14. At one point, this god had to kill someone who was protected from death at day and night, and both inside and outside of houses, and did so by killing that enemy on a threshold at twilight. He performed that feat in the form of Narasimha (NAH-rah-SIM-ha), a lion. This god also takes forms such as the fish Matsya (MOTS-yah) and the heroes Rama and Krishna, which are some of his ten avatars. For 10 points, identify this Hindu "preserver" god, who forms the Trimurti (treh-MORE-tee) with the creator Brahma and destroyer Shiva.
ANSWER: **Vishnu**

15. This President ran on a campaign that promoted his simplicity as a man who knew about "log cabins and hard cider." This man's popular nickname came from a battle he won against Tenskwatawa, whose brother Tecumseh was also defeated by this man at the Battle of the Thames. This President nicknamed Tippecanoe defeated Martin Van Buren in the election of 1840. This man then gave a two-hour-long inaugural address on a cold and rainy day, causing him to catch a cold. For 10 points, name this ninth President who died after a month in office.
ANSWER: **W**illiam Henry **Harrison** [prompt on **Harrison**]

1. Before opposing the American independence activists in *Taxation No Tyranny,* this author used Juvenalian satire as a model for his poem "The Vanity of Human Wishes." He was the first to include real literary quotations as usage examples, in his monumental *Dictionary of the English Language.* He may be best-known not as an author but as a subject of a work based on two decades of friendship with a Scottish attorney. For 10 points, name this eighteenth-century literary figure, the subject of a noted biography by James Boswell.
ANSWER: Samuel **Johnson**

019-10-18-06132

2. One interpretation of this novel casts it as an allegory for the same boarding-school system that the author attacked directly in the essay "Such, Such Were the Joys." Its characters include Syme, who is employed in writing the eleventh edition of a dictionary that includes words such as "doubleplusungood" and "crimethink." O'Brien is revealed as the leader of the "Brotherhood," a fake organization said to oppose Oceania's government, headed by Big Brother. For 10 points, name this novel about an oppressive regime, written by George Orwell.
ANSWER: ***Nineteen Eighty-Four***

019-10-18-06133

3. These structures may be governed by the theory of accelerating moment release, which would facilitate efforts to predict their movement. You can measure the separation caused by these structures in terms of both heave and throw. These structures are composed of both a hangingwall and a footwall. These geological features come in dip-slip and strike-slip types. For 10 points, name these displacement-causing fractures in rock, an example of which is the San Andreas one in California.
ANSWER: **fault**s [or **fault** lines]

026-10-18-06134

4. In 1964, Pope Paul VI returned this figure's supposed head to Patrai as a symbol of goodwill towards Greek Christians. In the Gospel of John, he is the first Apostle named, and the Konigsberg Chronicle states that this man erected a cross in Kiev and proclaimed that it would be a great city. Along with his brother Peter, this man was called to be a fisher of men, and he is the patron saint of Russia. For 10 points, name this figure who was supposedly crucified on the X-shaped cross that bears his name and is depicted on the flag of Scotland.
ANSWER: Saint **Andrew**

030-10-18-06135

5. This force is theorized to be a result of both a scalar and a tensor field in the Brans-Dicke (BRANS DICK-ee) theory. This force leads to a result called the weak equivalence principle. Like the electromagnetic force, it is classically represented by an inverse-square law. Its effects are said to be caused by spacetime curvature in the theory of general relativity. For 10 points, name this force whose universal constant is labeled big-G.
ANSWER: **gravity** [or **gravitation**; or **gravitational** force]

026-10-18-06136