1. This party nominated A. J. Donelson for Vice President at a convention held on George Washington's birthday. Members of this political party joined with the Whigs to form the Constitutional Union Party, nominating John Bell in 1860. This party won only one state, Maryland, in the 1856 presidential election with candidate Millard Fillmore. This party grew from the Order of the Star-Spangled Banner. For 10 points, name this anti-Catholic, anti-immigration political party that originated from a secret society.
ANSWER: **Know-Nothing** Party [or Native **American** Party]

014-12-56-08101

2. These substances are described as having high-energy LUMOs and small ionic radii when they are "hard" in a system created by Ralph Pearson. The presence of a carbonyl (car-BAH-nill) group attached to a hydroxyl (high-DRACK-sill) group defines the carboxylic (car-backs-SILL-ick) type of these substances. These substances turn blue litmus paper red. These substances are characterized as electron pair acceptors by Lewis theory, and they are characterized as proton donors by Bronsted-Lowry theory. For 10 points, names these substances which when in solution have a pH below 7.
ANSWER: **acid**s

014-12-56-08102

3. The founder of this movement was a man named Wallace Fard, who ultimately disappeared without a trace. One leader of this organization was banned from public speaking for stating that the assassination of President Kennedy was a case of the "chickens coming home to roost." Another leader of this movement organized the Million Man March; that leader of this movement was Louis Farrakhan. For 10 points, name this American religious and political movement led by Elijah Muhammad and Malcolm X.
ANSWER: **Nation** of Islam

030-12-56-08103

4. The derivation of this law assumes that when a particle hits a wall, the change in momentum equals two times the particle's mass times its horizontal velocity; this equation thus assumes that molecules are hard spheres that undergo perfectly elastic collisions. This relation can be modified by adding constants that account for molecular volume and intermolecular forces as seen in Van der Waals law. Created by combining Avogadro's, Charles' and Boyle's laws is, for 10 points, what chemical law commonly stated as PV = nRT?
ANSWER: **ideal gas** law

131-12-56-08104

5. One politician from this state was nicknamed "Senator Pothole" for his delivery of "constituent services" and called his opponent a "putz-head" in the 1998 Senate rate. That senator from this state was Al D'Amato, who was defeated that year by Chuck Schumer. Politicians from this state have included Governor Dewitt Clinton, who was responsible for the construction of the Erie Canal, and its current governor, Andrew Cuomo. For 10 points, identify this state with capital at Albany.
ANSWER: **New York** [or **NY**]

126-12-56-08105

6. One of these poems begins, "This is my play's last scene; here heavens appoint my pilgrimage's last mile." Another of these poems tells the addressee that the speaker shall be "nor ever chaste, except you ravish me." That poem opens with the request, "Batter my heart, three-personed God." Another of these poems tells the addressee, "Thou'rt slave to Fate, chance, kings, and desperate men" in spite of the fact that "some have called thee mighty and dreadful." For 10 points, name this set of nineteen sonnets including one beginning "Death, be not proud," written by John Donne.
ANSWER: _**Holy Sonnets**_ [prompt on poems of John **Donne**; prompt on sonnets of John **Donne**]

7. Diacritical marks such as "kasra" and "damma" are used to mark both case endings and short vowels when writing this language. The qasida (kuh-SEE-duh) is a form of poem originating in this language which uses the same meter and the same rhyme for every line. The Spanish expression "Ojalá que" (oh-hah-LAH kay) is one of several thousand in Spanish derived from this language. The "modern standard" form of this language comes mostly from the Classical form used in the hadith (hod-EETH). For 10 points, name this Semitic language in which the Quran is written.
ANSWER: **Arabic**

8. One poem by this man concludes with his Muse instructing him to "look in thy heart and write." That poem opens a collection which also includes a poem beginning, "With how sad steps, O Moon, thou climb'st the skies." He countered the Puritan pamphleteer Stephen Gosson's attacks on literature with _The Defense of Poesy._ For 10 points, name this Elizabethan aristocrat and poet who wrote the prose romance _Arcadia_ and the sonnet sequence _Astrophil and Stella._
ANSWER: Philip **Sidney**

9. In one of this writer's poems, he asks the addresses to "teach me half the gladness that thy brain must know" and wrote that "the world should listen then, as I am listening now." This poet wrote, "Hail to thee, blithe spirit! Bird thou never wert" in his poem "To a Skylark," and he wrote of "the hand that mocked them and the heart that fed" in a poem whose narrator "met a traveller from an antique land." For 10 points, identify this British Romantic poet who wrote "Ode to the West Wind" and a sonnet about a pharaoh's decaying statue titled "Ozymandias."
ANSWER: Percy Bysshe **Shelley**

10. The Schomburgk Line placed the mouth of this river under British control, but it was ceded to another country after arbitration initiated by Grover Cleveland. This river is connected to a more southerly river system by the Casiquiare (COSS-eek-ee-AH-ray) canal. The Columbus Channel separates this river's delta from the island of Trinidad to its north. For 10 points, name this river of northern South America, whose watershed covers most of Venezuela.
ANSWER: **Orinoco** River

11. One of the precursors to this substance is saprolite (SAH-pruh-lite). This substance is classified according to its constituents in its namesake texture triangle. Increasing the pH of this substance is usually accomplished with lime. This substance usually forms three to four distinct layers called horizons and it is also known as regolith (REG-uh-lith). A minor constituent of this substance is humus. For 10 points, name this substance that includes sand, silt and clay and is formed from bedrock.
ANSWER: **soil**

12. This city is the home of the Marinsky Theatre. Suburbs of this city include Gatchina and Pavlovsk. This city's Saint Isaac's Cathedral has a great dome made of gold and is located in its Admiralty Side. Nevsky Prospect is a thoroughfare in this city. This city is located on the Neva River, and Lake Ladoga is located east of this city. This city is the location of the Winter Palace and the Hermitage art collection. For 10 points, name this second-largest city and "window on the West" of Russia.
ANSWER: St. **Petersburg** [prompt on **Leningrad**; prompt on **Petrograd**]

13. In one work by this author, one family's business has declined because Amalia threw a note back into a messenger's face. In another story by this author of *The Castle,* the explorer observes a machine that the officer sets to carve the phrase "Be just" into his body. This author of "In the Penal Colony" also wrote a work in which the violinist Grete is the last to stop caring for a man their father hits with an apple, her insect brother Gregor Samsa. For 10 points, name this author of "The Metamorphosis."
ANSWER: Franz **Kafka**

14. In one of this man's paintings, six nude figures flounder off the side of the Styx-navigating title vessel. This painter of North African harem women posed as a dying body for Gericault's *Raft of the Medusa*. This artist of *The Barque of Dante* and *Women of Algiers* portrayed himself in a top hat in a work commemorating the overthrow of Louis Philippe that features a topless woman carrying a French flag. For 10 points, name this painter of *Liberty Leading the People*.
ANSWER: Ferdinand Victor Eugene **Delacroix** (deh-luh-KWA)

15. In this work, a nurse warns a man that he can safely walk neither too slowly nor too quickly during a funeral procession. Another character in this work claims to be a warehouse guard and asks the protagonist to write to his mistress for him. Raymond Sintes lives in the same building as a man who cries when the dog he beats runs away named Salamano. The protagonist of this novel plans a date with Marie Cardona the day after his mother's funeral. For 10 points, name this work by Albert Camus (al-BAIR cam-OO) in which Meursault (mur-SOE) shoots an Arab.
ANSWER: *The **Stranger*** [or ***L'Etranger***]

1A. Antimony is a member what series of elements that is clustered around the stair-step line?
ANSWER: **metalloids**

1B. Wu wei (woo WAY) is the principle of non-action in what religion, founded by Laozi (LOUT-zee) and symbolized by the yin and yang?
ANSWER: **Tao**ism [or **Dao**ism]

2A. What character cries out in Friedrich Nietzche's *The Gay Science* that "God is dead, and we have killed him!"?
ANSWER: the **madman**

2B. What falcon-headed god suffered an eye injury while fighting his uncle Set?
ANSWER: **Horus**

3A. This is a 10-second calculation question. In simplest form, what is quantity $1/2x + 1/8$ times quantity $1/4x + 1/8$?
ANSWER: $\mathbf{1/8x^2 + 3/32\ x + 1/64}$

3B. This is a 10-second calculation question. What is the range of the data set {3, 16, 1, 7, 11, 8, 19, 4, 5}?
ANSWER: **18**

4A. Douglas Baskins' sister, Judy, names an efficient type of what data structure, which is similar to a matrix and consists of a series of values matched with their indices?
ANSWER: **array**s

4B. In January 2012, the cruise ship *Costa Concordia* overturned off the coast of what country, near its island of Giglio?
ANSWER: **Italy**

5A. This is a 20-second calculation question. Find the point-slope equation for the line that passes through the point (1, 6) and is perpendicular to the line represented by the equation $2y - 6 = 3x + 4$.
ANSWER: $\mathbf{y = -2/3x + 20/3}$ [or $\mathbf{y = -2/3x + 6\ 2/3}$]

5B. This is a 20-second calculation question. What is the surface area to volume ratio of a sphere with radius 6 meters?
ANSWER: **1:2** meters^{-1}

6A. Governor Scott Walker faces a recall in what state, in which he signed a law limiting collective bargaining?
ANSWER: **Wisconsin**

6B. The British magazine *Punch,* associated with the rise of the cartoon, published what William Makepeace Thackeray novel about Becky Sharp?
ANSWER: ***Vanity Fair***

7A. What female rapper whose first album is *Pink Friday* recorded "Moment 4 Life" and "Super Bass?"
ANSWER: Nicki **Minaj**

7B. What president who annexed Hawaii in 1893 and named an 1890 Tariff was assassinated by Leon Czolgosz (CHOL-gosh)?
ANSWER: William **McKinley**

8A. This term applies to functions or systems that are homogeneous and to which superposition applies. What is this term that denotes an equation of the form y equal m times x plus b?
ANSWER: **linear**

8B. What Victorian poet included "To an Athlete Dying Young" in his collection *A Shropshire Lad*?
ANSWER: Alfred Edward **Housman**

9A. What former center for the Edmonton Oilers holds the record for point-scoring in the NHL?
ANSWER: Wayne **Gretzky**

9B. What former slave led the Haitian Revolution before being executed in France?
ANSWER: Toussaint **Louverture** [or Francois Dominique **Toussaint**]

10A. This is a 30-second calculation question. Aaron buys 5000 resistors from manufacturer A, 3000 from manufacturer B and 2000 from manufacturer C. Given that the probability that a resistor is defective depends on the manufacturer and is 0.05 for manufacturer A, 0.10 for manufacturer B, and 0.30 for manufacturer C, what is the probability that a resistor selected at random is defective?
ANSWER: **0.115**

10B. This is a 30-second calculation question. In simplest form, what is the cosine of -75 degrees?
ANSWER: square **root** of **6 minus** square **root** of **2** all **divided by 4**

1. This theory describes a process in which excess material is disposed of in Benioff (BEHN-ee-off) zones. This theory was supported by the confirmation of the Morley-Vine-Matthews hypothesis of a "striping" pattern due to reversals of the earth's magnetic field. This theory was proposed by Harry H. Hess, and this theory expands on Alfred Wegener's (VEG-uh-ners) theory of continental drift. For 10 points, name this geological theory describing how new oceanic crust is formed by upwelling magma at mid-ocean ridges.
ANSWER: **seafloor spreading** [accept word forms]

014-12-56-08117

2. One character in this film cuts off two fingers from his right hand so he can pass as his business partner. The plot of this film is foreshadowed when a small child is shown a collapsible birdcage. One character in this film discovers several black cats near a pile of hats as he prepares to leave Colorado and becomes famous using a device designed by Nikolai Tesla, who is played by David Bowie. For 10 points, name this movie, directed by Christopher Nolan, about a pair of rival magicians.
ANSWER: *The **Prestige***

002-12-56-08118

3. This anthropologist was married to Luther Cressman, who discovered the world's oldest shoe, and later to the namesake of Fortunate numbers. She claimed that females were dominant in Tchambuli (chom-BOO-lee) culture in her work *Sex and Temperament in Three Primitive Societies.* She recorded a conversation with James Baldwin that was later published as the book *A Rap on Race.* This anthropologist's work was harshly criticized by Derek Freeman. She wrote about adolescents on the island of Ta'u. For 10 points, identify this female American anthropologist, the author of *Coming of Age in Samoa.*
ANSWER: Margaret **Mead**

126-12-56-08119

4. This state, that is not Massachusetts, was the home of an experimental college in Yellow Springs run by Horace Mann from 1853 to 1859, known for not having grades. That college, in this state, was Antioch College. The Kokosing River flows through this state's village of Gambier, the location of Kenyon College. It's not Georgia, but a state university here is located in Athens, and it's not Florida, but this state's town of Oxford is the location of Miami University. For 10 points, Case Western Reserve University is located in the city of Cleveland in what state?
ANSWER: **Ohio**

030-12-56-08120

5. An abstract painting by Arshile Gorky is named for one of these locations "in Sochi." A series of paintings by Camille Pissarro depicted the Kew ones. Japanese ones often contain a pavilion called a cha-shitsu for tea ceremonies. The foremost English designer of these entities was Lancelot "Capability" Brown. Claude Monet's painted scenes at the one at his estate at Giverny. For 10 points, Auguste Renoir's *Girl With a Watering Can* takes place in what type of location in which flowers are often cultivated.
ANSWER: **Gardens** [accept reasonable equivalents]

030-12-56-08121

6. A fold that hangs down from this organ is known as the greater omentum. It's not the pancreas, but the fundus of this organ contains P/D1 cells which produce ghrelin. This organ produces the glycoprotein known as intrinsic factor, and one bacterium frequently found in this organ is *H. pylori.* This organ breaks down a bolus into a liquid substance known as chyme. For 10 points, identify this organ between the esophagus and small intestine, a digestive organ aiding in the breakdown of food.
ANSWER: the **stomach**

7. One type of this disorder is caused by iron deposits in the mitochondria. That type of this disorder is called sideroblastic, and a deficiency of B12 or folic acid can cause the megaloblastic type of this disorder. This disorder may be diagnosed as a result of an abnormal reticulocyte count. A recessive genetic variety of this disorder provides a heterozygote advantage against malaria and is thus common in people of African descent. For 10 points, name this blood disease, one variant of which causes its namesake sickle cells.
ANSWER: **anemia**

8. Exemplars of this form include Muzio Clementi's *Gradus ad Parnassum.* Another composer created "Wild Hunt," "Mazeppa," and "La Campanella" as part of his six "Grand Paganini" ones and twelve "transcendental" ones. That composer of this form, Franz Liszt, was the dedicatee of another of these, which commemorates the November Uprising of Poland against Russia in 1831, and is known as the "Revolutionary" one. For 10 points, Frederic Chopin was a prolific composer of what kind of piano piece, which is intended to challenge the player and is named for the French word for "study?"
ANSWER: **etude**s

9. The complex conjugate of the phasor form of this quantity is used in the time-averaged Poynting vector. The divergence of this quantity is equal to zero. In free space, it is divided by mu-nought to give its associated strength. One law for finding this quantity crosses differential length with the displacement unit vector and another states that it is equal to the current enclosed divided by mu-nought. Those are the Biot-Savart and Ampere's law. For 10 points, name this quantity symbolized B and measured in teslas.
ANSWER: **magnetic field** [or **magnetic flux density**; accept **B** before it is read; do not accept **H** or **magnetic field strength**]

10. His compositions "Sivad" and "Selim" appear on his album "Live-Evil." His second great quintet included Ron Carter, Tony Williams, and Herbie Hancock; after that group dissolved, he recorded albums like *Filles de Kilimanjaro*. He recorded arrangements worked on with Gil Evans on albums like *Porgy and Bess* and *Sketches of Spain*. One album released by this musician includes "Flamenco Sketches" and "So What." For 10 points, name this jazz trumpeter of albums like *Kind of Blue*.
ANSWER: Miles **Davis**

11. This man executed Musonius Rufus and Seneca the Younger for opposing him in the Pisonian Conspiracy. This ruler's mother poisoned Passienus Crispus in order to marry his predecessor, but was eventually ordered killed by this man. This son of Agrippina the Younger used human torches to light his gardens and built the Golden House after an event destroyed substantial portions of his capital. For 10 points, name this successor of Claudius who blamed Christians for causing the Great Fire of Rome during his reign.
ANSWER: **Nero** Claudius Caesar Augustus Germanicus [or **Nero** Claudius Drusus Germanicus; or Lucius Domitius **Ahenobarbus**]

12. This quantity is equal to the negative of the magnetic dipole moment dotted with the magnetic field. The electric form of this quantity is equal to Coulomb's constant times the charge of each point charge divided by the distance between them. For a spring, this quantity is equal to one half times the spring constant times displacement squared. In general, this quantity is equal to mass times gravitational acceleration times height. For 10 points, name this energy associated with an object at rest.
ANSWER: **potential energy** [prompt on **energy**]

13. This character references the Francois Villon quote "where are the snows of yesteryear?" while reflecting on the death of a friend. Later, he eats chocolate-covered cotton while sitting naked in a tree, watching that friend's funeral. This man shares a tent with a dead man named Mudd and the buck-toothed Orr. Colonel Cathcart continually raises the number of missions he must fly to go home, and he cannot be discharged because he cannot prove he is insane. For 10 points, name this protagonist of Joseph Heller's *Catch-22*.
ANSWER: **Yossarian**

14. This event led to the rushed printing of the Bryce Report detailing atrocities in Belgium. Charles Coke directed a rescue effort that brought this event's survivors to Kinsale and Queenstown. Captain William Turner disregarded a *New York Times* advertisement warning of this event. The target of this event was a Cunard Liner that was later revealed to be carrying war munitions. For 10 points, name this May 7, 1915, event in which a German U-20 fired a torpedo at a British passenger ship.
ANSWER: **sinking** of the RMS ***Lusitania*** [accept answers that describe the destruction of the ***Lusitania***; prompt on **unrestricted submarine warfare**]

15. One character in this work wears a ribbon in a "tribute to the unusual." This novel includes the ambitious Irish grocer Dennis Eady and Harmon Gow, the "village orator." The main character of this novel decides not to ask for money from Andrew Hale despite his wish to leave Starkfield. That title character becomes crippled after he and Mattie Silver try to kill themselves by sledding into a tree, leaving them both in the care of the title character's wife Zeena. For 10 points, name this novella by Edith Wharton.
ANSWER: ***Ethan Frome***

1. Development of this tissue is divided into centrarch, endarch, mesarch, and exarch types. Common stains for this tissue include Safranin-O and phloroglucinol, both of which stain lignified cell walls red. It is composed of vessel elements and tracheids, and is produced on the inside of the vascular cambium. For 10 points, name this plant vascular tissue that transports water and is contrasted with nutrient-transporting phloem.
ANSWER: **xylem** [or **primary xylem**; prompt on **vascular** tissue before mentioned]

003-12-56-08132

2. This poet described a man who "missed the medieval grace of iron clothing" and "thought, and thought, and thought, and thought about it." In addition to writing that poem about a "child of scorn" who "kept on drinking," he wrote about a man who "was always human when he talked" and "glittered when he walked." "One calm summer night," that title character "went home and put a bullet through his head." For 10 points, name this American poet of "Miniver Cheevy" and "Richard Cory."
ANSWER: Edwin Arlington **Robinson**

014-12-56-08133

3. This adjective describes certain differential equations like the heat and the wave equation. A strategy for integrating the reciprocals of polynomials uses fractions described by this adjective. This kind of eclipse occurs in an object's penumbra. It also describes derivatives that hold all but one variable constant. This adjective describes the pressure due to a single component in a system, as explained by Dalton's law. For 10 points, identify this adjective that refers to a portion of a whole.
ANSWER: **partial**

132-12-56-08134

4. This man's book *The River War* describes his service on Lord Kitchener's Nile expeditionary force. *The Gathering Storm* and *The Hinge of Fate* are among the six volumes written by this man about the history of a conflict in which he played a key role. He criticized the policies of Neville Chamberlain in his book *While England Slept*, and he wrote *A History of the English-Speaking Peoples*. For 10 points, name this man who served as British Prime Minister during World War II.
ANSWER: Winston Leonard Spencer **Churchill**

030-12-56-08135

5. In one story by this man, Billy is the only one of his group to drown despite being the strongest swimmer, while the oiler, the cook, and the reporter are rescued. This author of "The Open Boat" also wrote a novel in which the title character becomes a prostitute after a failed relationship with her brother's friend Pete. In another novel by this author of *Maggie: A Girl of the Streets,* a young man pretends that his head injury was earned in battle in order to return to his regiment. For 10 points, name this novelist who described Henry Fleming in *The Red Badge of Courage.*
ANSWER: Stephen **Crane**

105-12-56-08136

What state's Civil War sites include Stone's River, Fort Pillow, Lookout Mountain, and Missionary Ridge?
ANSWER: **Tennessee**

105-12-56-08137

This is a calculation question. A *glarg* randomly moves one space up, one space down, one space left, or one space right every turn. What is the probability that after three turns the *glarg* is back to its starting space?

ANSWER: **0**