1. During this nation's 2012 debate over the Tal Law requiring mandatory military service, the Kadima [kah-DEE-mah] Party briefly joined the ruling coalition. That coalition is comprised of Likud [lih-KOOD] and other parties in the (*) Knesset [NESS-set]. Benjamin Netanyahu [NET-ahn-YAH-hoo] is prime minister of—for 10 points—what Jewish state?
answer: (State of) Israel (or Medinat Yisrael)

2. After this man was captured at the Battle of Curzola, he spent time in prison writing a memoir claiming he served three years as governor of Yang-chau. Along with his father Niccolò, he traveled to the court of (*) Kublai Khan. For 10 points—name this 13th-century Venetian explorer of Asia.
answer: Marco Polo

3. Scalariform [skuh-LAIR-ih-form] plates are found at the ends of this tissue; its functionality is the focus of the cohesion-tension theory that relies on the polarity of water. Root pressure and (*) transpirational pull drive water upward in—for 10 points—what plant tissue usually found near phloem [FLOH-um]?
answer: xylem [ZYE-lem]

4. This is the first name of Sir Walter Scott's protagonist Waverley and of Elinor Dashwood's suitor Mr. Ferrars [FAIR-urz]. One English king of this name conquered Wales; another was called “the (*) Confessor.” An insular, princely Canadian province also contains—for 10 points—what six-letter first name?
answer: Edward (accept Edward Waverley or Edward Rochester or Edward I or Edward the Confessor or Prince Edward Island) [Elinor Dashwood appears in Jane Austen's Sense and Sensibility.]

5. Features of this experimental establishment included a farmhouse known as “The Hive” and a building known as “The Eyrie” where its founder, George (*) Ripley, resided. For 10 points—name this place in West Roxbury, Massachusetts, a utopian society founded in the 1840s as a communal “farm.”
answer: Brook Farm
6. This artist created a pair of paintings of a woman who may be the 13th Duchess of Alba, the *Nude Maja* [MAH-hah] and *Clothed Maja*. In another of his works, a lantern shines on civilian resisters facing a French (*) firing squad. For 10 points—name this Spanish painter of *The Third of May, 1808*.
   answer: Francisco (José) de Goya (y Lucientes)

7. This Greek deity appointed a watchman named Argus to stand guard over Io. She was the mother of both a goddess of youth named Hebe [HEE-bee] and a vain war god known as (*) Ares [air-eez]. A peacock symbolized—for 10 points—what “cow-eyed” queen of the Greek gods who was married to Zeus?
   answer: Hera (do not accept “Juno”)

8. Leo von Caprivi [kuh-PREE-vee] succeeded this man who championed an 1889 bill providing old-age pensions and who started the anti-Catholic Kulturkampf [kool-TOOR-kahmpf]. He said great questions would be decided by (*) “blood and iron” in a speech urging German unification. For 10 points—name this “Iron Chancellor” of Prussia.
   answer: Otto (Eduard Leopold) von Bismarck

9. Smaller islands in this group include Pebble, which is home to rockhopper penguins. Mount Pleasant airbase is on the eastern main island, which contains the capital, (*) Stanley. For 10 points—name this South Atlantic group that was the focus of a 1982 war between Britain and Argentina.
   answer: Falkland Islands (or Falklands or Islas Malvinas)

10. A catalyst containing this element and hydrogen peroxide comprises Fenton’s reagent, and its oxide is the catalyst in the Haber-Bosch process. It is found in the ores siderite [SIH-duh-“rite”] and (*) magnetite, and its deficiency causes anemia. For 10 points—name this element with atomic symbol Fe.
    answer: iron [Fenton's reagent is used to break down contaminants in sewage.]

11. The protagonist of this novel lives next door to Fay but falls in love with Miss Kinnian. Its hero is a bakery worker who undergoes the same procedure that eventually kills this novel’s namesake (*) mouse. Daniel Keyes [“keys”] wrote—for 10 points—what work in which Charlie briefly becomes a genius?
    answer: *Flowers for Algernon*

12. This philosopher discussed varieties of actuality in his *On the Soul*, while his views on morality appear in the *Nicomachean* [NIH-koh-MAH-kee-un] *Ethics*. Drama and literary theory are discussed in the (*) *Poetics* of—for 10 points—what ancient Greek thinker, a student of Plato who also taught Alexander the Great?
    answer: Aristotle (of Stagira) (or Aristoteles)

13. This entity’s namesake X Prize can be won by moving a robot 500 meters. In 1994 *Clementine* found evidence of ice in its permanently shadowed regions. A prominent ray system surrounds the Tycho [TEE-koh] (*) crater on—for 10 points—what Earth-orbiting body bearing the footprints of Buzz Aldrin?
    answer: (Earth's) moon (or Luna)

14. This work advises readers to avoid flatterers and tells them to be like both a lion and a fox. Dedicated to Lorenzo di Medici [dee MED-eh-chee], it praises Cesare (*) Borgia [chay-SAH-ray BOR-zhah] and says it is better for a ruler to be feared than loved. For 10 points—name this political tract by Niccolo Machiavelli [mahk-ee-uh-VELL-ee].
    answer: *The Prince* (or Il Principe)

15. A priest tries teaching beavers to sing in this novel whose title character is Chingachgook's [chin-gotch-guk's] son. The villain, Magua [MAH-gwah], wants to marry Cora but is shot by (*) Natty Bumppo. The second of *The Leatherstocking Tales* is—for 10 points—what James Fenimore Cooper novel named for the end of a tribe?
    answer: The Last of the Mohicans
16. The National Awakening Party was founded by this country's fourth president, Abdurrahman Wahid [ahb-dur-rah-MAN wah-HEED], whose predecessor, B. J. Habibie [hah-BEE-bee], organized a referendum on the status of East (*) Timor. The Dutch East Indies was the colonial name of—for 10 points—which Asian island nation that includes Java?
answer: (Republic of) Indonesia (or Republik Indonesia)

17. An insistent player could kill one of these creatures with bare hands in Colossal Cave, and Bahamut [bah-HAH-moot] is one in Final Fantasy. They have “Shouts” in (*) Skyrim [SKY-rim], and Deathwing is from World of Warcraft. Zelda's Gleeok [GLEE-ahk] is a 3-headed example of—for 10 points—what creatures that can breathe fire?
answer: dragons

18. This type of plant produces endosperm for nourishment, and its members are classified as monocots [“mono”-cotz] or dicots [DYE-kotz] based on their number of seed leaves. They also have (*) pistils and stamens [STAY-minz]. For 10 points—name these flowering plants often contrasted with gymnosperms [JIM-noh-spurzm]?
answer: angiosperms or Magnoliophyta or Angiospermae (accept flowering plants before “flowering”; prompt on “flower(s)” before “flowering”)

19. This poetic form was used for William Wordsworth's The Prelude and Robert Browning's The Ring and the Book; it also appears in Tennyson's “Ulysses” and Christopher Marlowe's dramas. Unrhymed lines of (*) iambic pentameter [EYE-am-bik PEN-tam-uh-tuhr] comprise—for 10 points—what type of “verse” used in Shakespeare's plays?
answer: blank verse (prompt on “(unrhymed) iambic pentameter” before “iambic”)

20. This artist played guitar on “For What It's Worth” by Buffalo Springfield. His songs include “The Needle and the Damage Done,” “Cinnamon Girl,” and the number one hit (*) “Heart of Gold.” For 10 points—name this Canadian musician who briefly teamed up with Crosby, Stills, and Nash.
answer: Neil (Percival) Young

21. This unprefixed unit is often used for the size of semiconductor band gaps and particle rest masses. It is the energy acquired by an elementary charge moving 1 meter in an electric field of 1 newton per coulomb. (*) 1.6 times 10^-19 [“10 to the negative 19th”] joules is roughly—for 10 points—what unit abbreviated eV [“E-V”]?
answer: electron volt or electronvolt (accept eV before “eV”; do not accept “mega electron volt” and similar answers; do not prompt on partial answers)

22. This group's size was dropped from 50 to 12, before being fixed at 15 by the author of Philoctetes [fil-ahk-TEE-teez]. Its members usually filled in background details, but could also present a community response to the single (*) actor on stage. For 10 points—name this group role found throughout Greek drama.
answer: Greek chorus (or khoros)

23. The namesake of the M4 tank, this general lost at Kennesaw Mountain in 1864, but captured Columbia, South Carolina, in 1865 after defeating John Bell Hood and taking (*) Savannah. For 10 points—name this Civil War Union general who burned Atlanta before marching his soldiers to the sea.
answer: William Tecumseh Sherman (accept M4 Sherman tank)

24. In this show's first episode, a paleontologist is left by his lesbian wife. That paleontologist later divorces Emily after saying another woman's name at the altar. (*) Ross and Rachel reunite in the finale of—for 10 points—what sitcom that starred Jennifer Aniston as one of six buddies?
answer: Friends
1. *The Sun Also Rises* and *To Have and Have Not* are novels by an author called “Papa.” For 10 points each—
   A. Name that American writer.
   answer: Ernest (Miller) Hemingway
   B. Hemingway also wrote this short novel about old Santiago, who catches a gigantic marlin.
   answer: *The Old Man and the Sea*
   C. This recurring Hemingway character camps and fishes as a way to cope with his wartime memories in the story “Big Two-Hearted River.”
   answer: Nick Adams (accept either name)  

2. For 10 points each—give the following about electromagnetic radiation:
   A. This type of highly energetic radiation produced by stars and nuclear transitions has the shortest wavelength in the spectrum.
   answer: gamma rays (or gamma radiation)
   B. These long waves, measuring between a few millimeters and hundreds of kilometers, are employed in broadcasting.
   answer: radio waves
   C. The heat felt when standing in the sun is the absorption of this type of radiation.
   answer: infrared radiation (prompt on “IR”)  

3. For 10 points each—name these reality television shows:
   A. During this show’s run, employees have left to start the competing firms V-Force Customs and Paul Jr. Designs.
   answer: *American Chopper*
   B. Hugh Rowland and Rick Yemm are drivers on this History Channel show about transporting loads in Manitoba and Alaska.
   answer: *Ice Road Truckers*
   C. Heather Morris has guest hosted the 2012 revival of this MTV show that centers on practical jokes; its first host was Ashton Kutcher.
   answer: *Punk’d*  

4. Robert F. Scott’s Terra Nova expedition reached its goal on January 17, 1912, but he and four companions died on their way back to the main camp. For 10 points each—
   A. Their goal was this geographic extremity of Earth.
   answer: (geographic) *South Pole* (prompt on “Pole”; do not accept “Antarctica”)
   B. The cause of the deaths is not known, but many scholars suspect this deficiency disease linked to vitamin C.
   answer: scurvy
   C. Scott died knowing that this Norwegian explorer had beaten him to the Pole by 34 days.
   answer: Roald (Engelbregt Gravning) Amundsen [ROH-ahl AH-mun-sun]
5. *Drawing Hands*, *Waterfall*, and *Sky and Water* are works featuring physically impossible constructions. For 10 points each—
   A. They are by this graphic artist.
   answer: M(aurits) C(ornelis) Escher
   B. M. C. Escher is Dutch, meaning he was born in this country.
   answer: (Kingdom of) The Netherlands (or Koninkrijk der Nederlanden; accept Holland)
   C. This 16th-century author of *In Praise of Folly* is also Dutch.
   answer: Desiderius Erasmus (of Rotterdam)

6. The Blue Nile and White Nile converge at a city in Sudan. For 10 points each—
   A. Name that national capital.
   answer: (al-)Khartoum
   B. The Blue Nile originates in Lake Tana in this nation east of Sudan.
   answer: (Federal Democratic Republic of) Ethiopia (or Ityop'iya Federalawi Demokrasiyawi Ripeblik)
   C. The White Nile enters Sudan from this nation to its south.
   answer: (Republic of) Uganda

7. For 10 points each—give the following about a French sculptor:
   A. This sculptor of *The Burghers of Calais* was accused of casting his *The Age of Bronze* from a living model.
   answer: (François-)Auguste(-René) Rodin [oh-goost roh-dan]
   B. This Rodin sculpture of a man sitting with his chin on his knuckles supposedly depicts Dante pondering his great poem.
   answer: The Thinker (or Le Penseur; prompt on “(The) Poet”)
   C. This monumental Rodin sculpture of figures from Dante’s *Inferno* contains a miniature *Thinker* atop its door panels.
   answer: The Gates of Hell (or La Porte de l’Enfer)

8. For 10 points each—give the following about Moses:
   A. Moses climbed this holy mountain on a namesake peninsula to receive the Ten Commandments.
   answer: Mount Sinai (or Mount Horeb; prompt on “(Gabal) Musa”)
   B. While Moses was on Mount Sinai, his brother Aaron made this idol in the form of a young cow.
   answer: golden calf (accept equivalents; prompt on partial answers)
   C. When numerous Israelites were bitten by this type of animal, Moses fashioned a bronze version of it to heal them.
   answer: snake or serpent

9. Methane, ethane, and propane are the first three saturated hydrocarbons with straight-chain backbones.
   A. For 10 points—name the fourth, whose formula is C₄H₁₀.
   answer: (n-)butane
   B. For 10 points—this is the generic name for those molecules with chemical formula CₙH₂ₙ₊₂ [“C N H two N plus two”].
   answer: alkane(s) (prompt on “paraffin”)
   C. For 5 points each—name both compounds produced by the complete combustion of alkanes.
   answer: water (or hydrogen hydroxide or H₂O)
   carbon dioxide (or CO₂)
10. The 1801 Act of Union formally united an island with Great Britain. For 10 points each—
   A. Name that island west of Great Britain whose cities include Cork and Belfast.
      answer: Ireland (or Éire; do not accept “Northern Ireland”)
   B. England’s domination of Ireland began in 1169 when this husband of Eleanor of Aquitaine authorized an
      invasion. He also feuded with Thomas Becket.
      answer: Henry II of England (or Henry Curtmantle; prompt on “Henry”)
   C. This leader of the Irish independence movement drove the adoption of Ireland’s current constitution in 1937
      while he was prime minister.
      answer: Éamon (or Edward) de Valera [AY-mun duh-vuh-LAIR-uh] (prompt on “Valera”)

11. For 10 points each—give these answers that are also the names of National Hockey League teams:
   A. Americans with this elected job include Debbie Stabenow, Max Baucus, and Barbara Mikulski.
      answer: (U.S.) senators (accept Ottawa Senators)
   B. These entities can be classified as “Wolf-Rayet,” “blue straggler,” or “main sequence.”
      answer: stars (accept Dallas Stars)
   C. Bessie Smith was the “empress of” this style of jazz that also appears in the title of a 1915 Jelly Roll Morton work.
      answer: Blues (accept St. Louis Blues) (“Jelly Roll Blues” is credited as the first published work of jazz music)

12. Jethro Creighton lives in Illinois’s Jasper County. For 10 points each—
   A. Creighton is the protagonist of this novel named for its 49-month time span.
      answer: Across Five Aprils
   B. Across Five Aprils is set during this conflict in which the shelling of Fort Sumter occurred in April 1861 and the
      surrender at Appomattox took place in April 1865.
      answer: American Civil War (accept War Between the States)
   C. This author based Across Five Aprils on stories told by her grandfather.
      answer: Irene Hunt

13. For 10 points each—name these long-term problems of the head and neck:
   A. This chronic seizure condition is often caused by flashing lights, though one form is set off by reading.
      answer: epilepsy (accept reading epilepsy or temporal lobe epilepsy; accept word forms)
   B. Both hypo- and hyperthyroidism can result in this enlargement of the thyroid gland.
      answer: goiter [GOY-tur]
   C. This condition, named after a Latin word meaning “ringing,” refers to the perception of sound in the absence of
      a corresponding stimulus. It most often results from exposure to loud noises.
      answer: tinnitus [tih-NYE-tis or TIN-uh-tis]

14. This religion, whose members worship in gurdwaras, mandates that male believers wear turbans. For 10 points
    each—
   A. Name that Asian faith, several members of which were shot by a white supremacist on August 5, 2012.
      answer: Sikhism
   B. The shooting took place in Oak Creek, a suburb of this Midwestern city.
      answer: Milwaukee, Wisconsin
   C. This murderer, a member of the white supremacist group Hammerskins, shot himself after the killings.
      answer: Wade Michael Page
15. The hit “My Adidas” is by a group that includes the brother of hip hop mogul Russell Simmons. For 10 points each—
A. Name that group that also sang “King of Rock.”
answer: Run DMC
B. In 1989 Aerosmith appeared in the video for Run DMC’s cover of this song that claims, “So I took a big chance at the high school dance.”
answer: Walk This Way
C. In 2009, Run DMC was inducted into the Rock and Roll Hall of Fame by this rapper of “The Real Slim Shady” and “Lose Yourself”.
answer: Eminem (or Marshall Mathers)

16. For 10 points each—name these compositions by Aaron Copland [“COPE”-land]:
A. Copland won a Pulitzer Prize for this ballet that evokes the building of a Pennsylvania farmhouse in the mountains.
answer: Appalachian Spring
B. Copland incorporated this fanfare into the finale of his Third Symphony.
answer: Fanfare for the Common Man
C. “The Open Prairie” is a part of this 1938 ballet centered on a youthful-looking 19th-century outlaw.
answer: Billy the Kid

17. For 10 points each—name these 19th-century vice presidents:
A. This Tennessean succeeded upon the death of Abraham Lincoln; he became the first president to be impeached.
answer: Andrew Johnson (prompt on “Johnson”)
B. This vice president died in office in 1814; he lent his name to the practice of drawing electoral districts to gain an advantage.
answer: Elbridge (Thomas) Gerry [“Gary”] (do not prompt on “gerrymander(ing)”)  
C. This Whig from Virginia was the first vice president to become president upon the death of a sitting president.
answer: John Tyler (Jr.)

18. The U.S. and Europe lifted sanctions on a South Asian country in September 2012 due to its democratic reforms. For 10 points each—
A. Name that country the U.S. still officially calls Burma.
answer: (Republic of the Union of) Myanmar (or Pyidaunzu Thanmada Myama Nainngandaw)
B. This organization founded in 1961 by Peter Benenson [beh-NEN-sun] expressed skepticism that Myanmar actually released all of its political prisoners.
answer: AI or Amnesty International
C. Myanmar's opposition party, the National League for Democracy, is led by this female Nobel Peace Prize winner.
answer: Aung San Suu Kyi [awng sahn soo chee] (prompt on partial answer)

19. For 10 points each—identify these actors named “Martin”:
A. This frequent Saturday Night Live guest host played Inspector Clouseau in the 2006 and 2009 remakes of Pink Panther movies.
answer: (Stephen Glenn) Steve Martin
B. This man played FBI agent Malcolm Turner in two comedies in which he goes undercover as an overweight woman from rural Georgia.
answer: Martin Lawrence [Big Momma's House]
C. Born Ramón Gerardo Antonio Estévez, this actor's trademark roles include a Vietnam-era Army captain named Ben Willard and a Nobel-winning economist from New Hampshire named Josiah Bartlet.
answer: Martin Sheen
20. One national park extends into Montana and Idaho, but is primarily found in Wyoming. For 10 points each—
A. Name that park that includes over 300 geysers.
answer: Yellowstone National Park
B. This best-known geyser goes off after periods of 65 or 91 minutes.
answer: Old Faithful
C. The geothermal activity within the Yellowstone supervolcano is due to its being located over one of these entities possibly caused by mantle plumes.
answer: hotspots

21. Consider the equation $x^2 + y^2$ equals a positive constant. For 10 points each—
A. That is the equation of this conic section.
answer: circle (or circular conic section; do not prompt on “ellipse”)
B. The equation of a circle is simply “radius equals a positive constant” in this two-dimensional coordinate system that defines points in the plane by a distance $r$ and an angle theta.
answer: polar coordinate system
C. A circle can be defined by the equations $x$ equals a constant times the sine of $t$ and $y$ equals the same constant times the cosine of $t$; that is this type of definition involving an extra variable.
answer: parametric equation(s) (accept similar answers including parametric)

22. A British man has not won the singles event at his home-court Grand Slam tennis tournament since 1936. For 10 points each—
A. Name that tournament annually played on grass in a namesake district of London.
answer: (The Championships,) Wimbledon (prompt on “Championships”)
B. This Scottish player came close when he reached the 2012 Wimbledon final, but he lost to Roger Federer in four sets.
answer: (Andrew) Andy Murray
C. This Englishman is the last home-grown male player to win Wimbledon. He was also the first player to complete a career Grand Slam.
answer: Fred(erick John) Perry

23. At the beginning of the novel Vanity Fair, a girl throws a book out the window of her carriage. For 10 points each—
A. Name that type of reference work compiled by Noah Webster or Samuel Johnson.
answer: dictionary (or dictionaries)
B. Vanity Fair is by this English author of The Virginians.
answer: William Makepeace Thackeray
C. The dictionary is thrown by this anti-heroine who marries the rake Rawdon Crawley and torments Amelia Sedley.
answer: Becky Sharp (accept either)

24. Lázaro Cárdenas [LAH-zah-roh KAR-day-nahss] and Ernesto Zedillo [air-NESS-toh zay-DEE-yoh] are two holders of a political post whose modern form was created by a 1917 Constitution. For 10 points each—
A. Name that North American political position.
answer: president of Mexico (or Mexican president or presidente de los Estados Unidos Mexicanos; prompt on partial answer)
B. That constitution was written under this president who was assassinated in 1920.
answer: Venustiano Carranza [bay-noost-YAH-noh kah-RAHN-zuh] (de la Garza)
C. Carranza was briefly allied with this revolutionary who sacked Columbus, New Mexico, in 1916, leading the U.S. to send a punitive expedition into Mexico.
answer: Pancho Villa [PAHN-choh VEE-yuh] (or Francisco Villa or José Dorotango Arango Arámbula)