1. An otherwise unseen couple reflected in a mirror in this work may be posing for the artist. A woman dressed in mourning stands with a bodyguard behind a group that includes the title characters of this work. A man pauses in the doorway in the background of this painting, in which a dwarf dressed in red steps on a mastiff. The artist of this work frowns at his canvas as one of the title characters curtsies to the $\left(^{*}\right)$ Infanta Margarita. For 10 points, name this painting by Diego Velazquez. ANSWER: Las Meninas [or The Maids of Honor]
2. This man used locations from County Sligo such as Sleuth Wood in his poem "The Stolen Child," which was collected in The Wanderings of Oisin (OO-shin) and Other Pooms. He wrote the line, "an aged man is but a paltry thing" in a poem about traveling away from a place he called "no (*) country for old men." In one of his poems, a "rough beast...slouches towards Bethlehem," as the title apocalyptic time "is at hand." For 10 points, name this Irish poet who wrote "Sailing to Byzantium" and "The Second Coming."
ANSWER: William Butler Yeats
3. During one performance on MTV, this band's bassist threw his instrument in the air only for it to land on his head. In another MTV show, they ended their set by covering a Leadbelly song about someone who "will shiver the whole night through." Their first full album, Bleach, featured the song ${ }^{(*)}$ "About a Girl," which this band played on a later acoustic album for MTV Unplugged. This band broke up after the suicide by shotgun of lead singer and guitarist Kurt Cobain. For 10 points, name this 90 s grunge band best known for the song "Smells Like Teen Spirit."
ANSWER: Nirvana
088-12-53-07104
4. The speaker of one of this man's poems has "outwalked the furthest city light" and declares that the "luminary clock...proclaimed the time was neither wrong nor right." In addition to "Acquainted with the Night," he wrote about a boy whose hand is chopped off by a buzz saw in "Out, (*) Out--". In another poem by this author, the speaker's "little horse must think it queer," and he wrote about and how choosing the title path of another poem "has made all the difference." For 10 points, name this American poet of "Stopping by Woods on a Snowy Evening" and the "The Road Not Taken."
ANSWER: Robert Lee Frost
127-12-53-07105
5. This political party supported the direct election of senators in the final section of a document it adopted called the Ocala Demands. In the same year that this party nominated James B. Weaver for the presidency, it adopted the Omaha Platform. This party picked Thomas E. Watson in 1896 as the running mate for a Democrat who delivered the (*) "Cross of Gold" speech in support of free silver. For 10 points, name this agrarian reform party that declined after failing to elect William Jennings Bryan. ANSWER: Populist Party [or People's Party]
6. One storm on this planet is called Scooter. This planet's largest moon is unique among large moons in the solar system for having a retrograde orbit. The only spacecraft to visit this planet was Voyager 2. A larger storm on this planet's surface is known as the Great (*) Dark Spot, which appears a darkened spot on its blue surface. For 10 points, identify this planet whose moons include Triton and which is, since Pluto's demotion, the furthest planet from the Sun.
ANSWER: Neptune
126-12-53-07107
7. This ruler replaced the prikazy with a group of colleges for his governmental system. This man also replaced the patriarch of his country's church with a Procurator General. Although this ruler's half-sister Sophia allowed this man and his brother to co-rule, he forced her into a convent after she led a revolt of the streltsy, a group this man disbanded. This ruler reduced the power of the (*) boyars through the Table of Ranks. For 10 points, name this reform-minded tsar who westernized Russia.
ANSWER: Peter I [or Peter the Great; or Pyotr Alekseyevich; or Pyotr Veliky; prompt on Peter]
140-12-53-07108
8. His busts of the Damned Soul and the Blessed Soul can be found in the Villa Borghese. One work by this man is located in the Piazza Novonai in front of a large Egyptian obelisk and contains depictions of the Plate, Nile, Danube, and Ganges. One of his works is surrounded by donor portraits discussing the central scene. That work is located in the Cornaro chapel underneath several (*) golden shafts of light. For 10 points, name this Baroque sculptor who depicted a nun being stabbed by an angel in his "Ecstasy of St Theresa".
ANSWER: Gian Lorenzo Bernini
048-12-53-07109
9. This hero was provided shelter by the old woman Hecale (HAY-cuh-lay) on his way to capture the Marathonian Bull. This man slew a villain who kicked travelers off a cliff to be eaten by a monster and another villain who stretched people to fit on his bed. On his return home, he failed to change his sail to a ${ }^{(*)}$ ) white color, prompting his father, Aegeus (uh-JEE-us), to kill himself. This man was aided by Ariadne (ah-ree-AHD-nay), the daughter of King Minos, before he entered the Labyrinth to engage a half-man, half-bull monster. For 10 points, name this hero who slew the Minotaur.
ANSWER: Theseus
052-12-53-07110
10. A common one of these substances consists of palladium poisoned with lead salts and is used for hydrogenation (high-drah-gen-AY-shun). Iron oxide is one of these substances in the Haber process for producing ammonia. These substances move the transition state closer to the reactants without changing the final equilibrium. They lower the (*) activation energy, and they are regenerated after the reaction. Enzymes are the biological equivalent of, for 10 points, what substances that increase a reaction's rate without being consumed?
ANSWER: catalysts [accept Lindlar's catalyst until "iron oxide" is read]
079-12-53-07111
11. With Ephialtes, this man deprived the Areopagus of its powers. This man oversaw the building of the third Long Wall and the expulsion of barbarians from Gallipoli. This man had a long relationship with his mistress, Aspasia of Miletus. Thucydides gave an account of this man's (*) funeral oration during the Peloponnesian War. For 10 points, name this Athenian statesman of the fifth century BCE who oversaw the construction of the Acropolis and the development of democracy.
ANSWER: Pericles
12. This composer used a solo flute to represent a goldfinch in one work, while his three concertos for a small recorder called a flautino are staples of the piccolo repertoire today. One collection of his concertos for another instrument is L'estro armonico ('LESS"-tro ar-MAH-ni-ko). The movements of another group of violin concertos by this man depict a shepherd who fears a (*) storm; some drunken peasants who fall asleep; walking along an icy path; and the singing of birds. For 10 points, name this composer of The Four Seasons.
ANSWER: Antonio Vivaldi
13. One event in this city began when Marquette Frye was pulled over on DUI suspicions and eventually resulted in Governor Pat Brown sending in the National Guard. Besides that 1965 riot, this city was the site of an attack on truck driver Reginald Denny, which occurred shortly after acquittals of four $\left(^{*}\right)$ police officers for their videotaped assault of a black motorist. For 10 points, name this California city that was the site of the Watts and Rodney King riots.
ANSWER: Los Angeles [or LA]
052-12-53-07114
14. Spencer Penrose funded the construction of a toll road on this mountain, which is the site of an annual "International Hillclimb." The Cripple Creek gold mining camp was located near its base. Edwin James was the first European to climb this mountain; during that climb, he described the "blue columbine," the official flower of the (*) state where it is located. While admiring the view from this landmark, Katharine Lee Bates wrote the song "America the Beautiful." For 10 points, name this mountain located near Colorado Springs, which is named after an explorer with the first name Zebulon. ANSWER: Pikes Peak

052-12-53-07115
15. In this work, one hundred ruffians are sent to murder the poet Ligniere (lin-YAIR) because of a scandalous song he wrote. One character in this work pretends to read a letter in which she is ordered to marry de Guiche (GEESH) on the orders of Cardinal Richelieu (RISH-eh-loo); that character ultimately lives in the convent of Mother Marguerite de Jesus. The title character of this play writes verse for Christian in his courtship of (*) Roxane. For 10 points, name this play by Edmund Rostand in which the title character is known for his extremely long nose.
ANSWER: Cyrano de Bergerac
030-12-53-07116
16. The most common schedule of reinforcement created by this psychologist incorporated continuous, interval and ratio reinforcement. He authored the book Verbal Behavior and attempted to develop a $\left(^{*}\right.$ ) pigeon-guided missile during World War II. He also created a device that could be used to teach a subject to perform actions in response to stimuli. For 10 points, name this inventor of the operant conditioning chamber, also known as his namesake box, who was a leading exponent of behaviorism. ANSWER: Burrhus Frederic Skinner
17. In one play by this author, a tutor challenges his pupil to prove Fermat's Last Theorem in order to avoid defining "carnal embrace." In that play by this author, on character attempts to determine who was the hermit of Sidley Park. This playwright created Bernard, who believes that Ezra Chater was killed by Lord Byron. This author of (*) Arcadia also wrote a play in which the main characters meet the Tragedians after flipping a coin that lands on heads ninety-two times. Those protagonists die while carrying a note written by Hamlet. For 10 points, name this British playwright of Rosencrantz and Guildenstern Are Dead.
ANSWER: Tom Stoppard [Tomas Straussler]
149-12-53-07118
18. In smokers, the alveolar (al-vee-OH-lar) type of these cells develop characteristic inclusions of brown pigments, and varieties of these cells include dust cells, foam cells, and Kupffer (CUP-fur) cells. These cells express CD14 and CD68 proteins function. They are enhanced by opsonization, and they develop from circulating monocytes (MOHN-on-sites) that move into tissue. These granulocytes (GRAN-yoo-loh-sites) can function to present $\left(^{*}\right.$ ) antigens to T cells. For 10 points, name these white blood cells which devour debris and pathogens, and whose name means "big eater".
ANSWER: macrophages [prompt on white blood cells before mentioned; prompt on leukocytes (LOO-koh-sites)]

048-12-53-07119
19. This man divided the faculties of the mind into memory, imagination, and reason in a work that includes a division of the sciences. He discussed oversimplification as one of the four "idols" of the mind. This author of The Advancement of Learning also wrote about his ideal research college in the utopian work ${ }^{(*)}$ ) New Atlantis and eliminated falsehoods using inductive tables. For 10 points, name this philosopher who wrote Novum Organum, in which he developed the scientific method.
ANSWER: Erancis Bacon [prompt on Bacon]
105-12-53-07120
20. In electrostatics, a method named for this term is used to compute complicated electric fields. In optics, the size of this entity is proportional to the lens' focal length and the size of the reflected object. Converging and diverging lenses produce two distinct types of these objects. Those types are classified by whether (*) light rays actually pass through them, and are called real and virtual. For 10 points, give this five-letter term for an optical representation of something, synonymous with a picture. ANSWER: image

126-12-53-07121
21. The protagonist of one work by this author is forced to drive her drunken father back from Mexico and becomes the first black female streetcar conductor in San Francisco. This author of the poetry collection Just Give Me a Cool Drink of Water'fore I Diiie wrote a series of autobiographical works about her childhood in Stamps, Arkansas. She wrote about "A Rock, A River, A Tree" in her poem "On the (*) Pulse of Morning," which was read during Bill Clinton's inauguration. For 10 points, name this American poet and author of the autobiographical I Know Why the Caged Bird Sings.
ANSWER: Maya Angelou [or Marguerite Johnson]
22. Peter and Rosemary Grant did work concerning these animals that are a primary example of adaptive radiation. Their fourteen species are classified into ground, tree, and warbler varieties. The namesake of these animals noted that depending on their diet, which varied from seeds, buds, and insects, these animals’ ${ }^{*}$ ) beaks seemed to be shaped in a way that facilitated their niche. For 10 points, name these small birds studied in the Galapagos Islands by the author of The Origin of Species.
ANSWER: Darwin's finches [or Galapagos finches before mention]
048-12-53-07123
23. During this campaign, Guy de Lusignan was one the main commanders at the Battle of Acre. This campaign began shortly after the Horn of Hattin. The Battle of Iconium was won by one leader of this crusade, but that leader later drowned. In addition to Frederick (*) Barbarossa, Philip II and Richard I were prominent figures in the European command. For 10 points, name this Crusade started in 1189 that sought to retake the Holy Land from Saladin.
ANSWER: Third Crusade [or King's Crusade]
hsapq

1. One definition of them states that they are electron pair acceptors. For 10 points each:
[10] Identify these substances, which are often contrasted with bases and include acetic and nitric types. ANSWER: acids
[10] This acid-base theory named for two scientists is based on proton donation and proton acceptance. ANSWER: Bronsted-Lowry acid-base theory
[10] This commonly used indicator is colorless in acid but turns a bright pink in weak base, with the pink fading as the solution becomes more basic.
ANSWER: phenolphthalein (fee-nol-THAY-lean)
140-12-53-07201
2. This character's younger sister Georgiana lives at Pemberley, where she is introduced to Elizabeth. For 10 points each:
[10] Identify this friend of Bingley who asks for Elizabeth Bennet's hand in marriage.
ANSWER: Fitzwilliam Darcy [or Fitzwilliam Darcy]
[10] Mr. Darcy marries Elizabeth Bennet at the end of this novel by Jane Austen. It begins by joking "that a single man in possession of a good fortune, must be in want of a wife."
ANSWER: Pride and Prejudice
[10] This villainous figure from Pride and Prejudice is a charming officer in the militia. A childhood acquaintance of Darcy, he elopes with Lydia Bennett and is paid by Darcy to marry her.
ANSWER: George Wickham [or George Wickham]
126-12-53-07202
3. Solenoids are an example of these devices, which are represented by at least three loops on a circuit diagram. For 10 points each:
[10] Name these devices that store energy in a magnetic field. Their namesake quantity is measured in Henries.
ANSWER: inductors [or induction]
[10] According to a law named for this man, the induced electromotive force equals the time derivative of magnetic flux. This man also names the SI unit of capacitance.
ANSWER: Michael Faraday
[10] According to this law, an change in magnetic flux will induce a current whose associated magnetic flux opposes the change.
ANSWER: Lenz's Law
079-12-53-07203
4. He called Walt Whitman a "childless, lonely old grubber" in one poem. For 10 points each:
[10] Identify this Beat Generation poet of "A Supermarket in California."
ANSWER: Allen Ginsberg
[10] This poem by Ginsberg begins by commenting, "I saw the best minds of my generation destroyed by madness, starving hysterical naked" and repeats the refrain "I'm with you in Rockland."
ANSWER: "Howl"
[10] Ginsberg's poem "Kaddish" begins with Ginsberg commenting on how strange it is to think of his mother as he walks "the sunny pavement" of this New York City neighborhood.
ANSWER: Greenwich Village
5. This goddess was forced to shed all her articles of clothing as she entered the underworld. For 10 points each:
[10] Name this Babylonian goddess of fertility and sex, the counterpart to the Sumerian goddess Inanna. She was the lover of Tammuz and her malevolent sister was named Ereshkigal (er-ESH-kee-gul).

## ANSWER: Ishtar

[10] In a namesake epic, Ishtar asks this hero to marry her but gets turned down. In a petulant rage, she sends the Bull of Heaven after this hero, who had earlier killed the monstrous Humbaba.
ANSWER: Gilgamesh
[10] This wild man, created by Anu the sky god, assists Gilgamesh in fighting the Bull of Heaven and Humbaba. He is struck down by the gods for destroying the Bull.
ANSWER: Enkidu
052-12-53-07205
6. The American-Canadian relationship was not a smooth one in the nineteenth century. For 10 points each:
[10] One campaign in this war saw American forces attempt to invade Canada. Despite victories at the Battle of Lake Champlain and the Battle of the Thames, the invasion was a failure.
ANSWER: War of $\underline{1812}$
[10] Later, a border dispute in this northeastern state led to the Aroostook War.
ANSWER: Maine
[10] This earlier incident sparked American outrage when Allen McNabb led a force that set the namesake ship on fire and sailed it down Niagara Falls.
ANSWER: Caroline affair
7. Carl Rogers described this condition as the overlap of the Ideal Self and the Real Self. For 10 points each:
[10] Name this concept developed by Kurt Goldstein, that, according to another theorist, can only be pursued after one's esteem needs are met.
ANSWER: self-actualization
[10] Self-actualization is the final goal of this psychologist's namesake hierarchy of needs. He developed a list of fourteen "Being Values".
ANSWER: Abraham Maslow
[10] Maslow developed the "meta" version of this concept, which a person employs when striving to meet his or her b-needs once d-needs are met.

## ANSWER: motivation

8. The Election of 1800 resulted in a tie that had to be broken by the House of Representatives. For 10 points each:
[10] This eventual winner of the election had to beat his running mate, Aaron Burr. This man's presidency saw the passing of the Embargo Act.
ANSWER: Thomas Jefferson
[10] The fact that Jefferson and Burr tied in the election gave rise to this amendment, which made the votes for President and Vice-President separate.
ANSWER: Twelfth Amendment
[10] This man was John Adam's running mate in the election. Despite being a Federalist, he supported Jefferson during his presidency and became Minister to Spain in 1801.
ANSWER: Charles Cotesworth Pinckney [prompt on Pinckney]
9. Answer these questions about Hinduism as it is practiced today, for 10 points each.
[10] Most modern Hindus worship this deity as supreme God. This blue-skinned god comes to earth in a series of ten avatars such as Krishna, and is the preserver aspect of the Trimurti.
ANSWER: Vishnu [or Vaishnavic Hinduism]
[10] In some regions of India, the celebration of this spring festival has involved throwing colored powders made of cheap, brighr chemicals which cause environmental damage.
ANSWER: Holi [or Dolyatra]
[10] The Hindu process of "puja" often involves offering this food item to a statue. "Ghee" is a popular Indian form of this substance, which is used to cover the eyes of idols.
ANSWER: clarified butter
104-12-53-07209
10. In one of this artist's works, the title onomatopoeia occurs when an American rocket slams into what appears to be a MiG. For 10 points each:
[10] Name this artist of Wham! as well as a painting in which the title Drowning Girl states "I'd rather sink than call Brad for help!"
ANSWER: Roy Lichtenstein
[10] Much of Roy Lichtenstein's paintings emulate the styles and conventions, such as Ben-Day dots, of this art form, which has spawned creations such as Captain America and Batman.
ANSWER: comic books [or comics; or graphic novels]
[10] Roy Lichtenstein's works are often cast into this movement of painting, which often takes its subjects from advertisements and other elements of everyday culture.
ANSWER: Pop art
141-12-53-07210
11. The Roman general Fabius attempted a delaying strategy to defeat this man after he destroyed the army of Gaius Flaminius at Lake Trasimene. For 10 points each:
[10] Name this general who used a double envelopment to rout Varro and Paullus at Cannae.
ANSWER: Hannibal Barca
[10] Hannibal was a general of this civilization's forces. They warred Rome in a series of three Punic Wars. ANSWER: Carthage [or Carthaginians]
[10] Hannibal and his brother Hasdrubal were sons of this Carthaginian leader, who led armies during the Sicilian phase of the First Punic War and the Mercenary War.
ANSWER: Hamilcar Barca
015-12-53-07211
12. The protagonist of this work kills his best friend, Vladimir Lensky, in a duel. For 10 points each:
[10] Name this verse novel by Alexander Pushkin, written in distinctive sonnet stanzas. Its title character is ultimately rejected by Tatyana Larina.
ANSWER: Eugene Onegin [or Yevgeniy Onegin]
[10] Pushkin's The Stone Guest tells the story of this legendary Spanish seducer, also the subject of a Byron poem.
ANSWER: Don Juan
[10] In this short story by Pushkin, Hermann goes mad after losing a fortune in a gambling match, betrayed by the ghost of the old woman whose death he caused.
ANSWER: "The Queen of Spades" [or "Pikovaya Dama"]
13. Abused during the Middle Ages, their sale by Pope Leo X in order to rebuild St. Peter's Basilica helped lead to the Protestant Reformation. For 10 points each:
[10] Name these items that can be issued by the Catholic Church as a way of pardoning one's sins. ANSWER: indulgences
[10] Indulgences were prominently advertised by this Dominican friar, who was reputed to have said "As soon as the gold in the casket rings, the rescued soul to heaven springs."
ANSWER: Johann Tetzel
[10] Tetzel's behavior was a large factor in this man writing and publishing his Ninety Five Theses. ANSWER: Martin Luther

140-12-53-07213
14. This character meets the protagonist at a May Day dance, and falls in love with her when she becomes a milkmaid. For 10 points each:
[10] Name this character who flees to Brazil after discovering his wife's history with Alec.
ANSWER: Angel Clare [or Angel Clare]
[10] Angel marries this woman, who is arrested at Stonehenge for stabbing Alec.
ANSWER: Tess Durbeyfield [or Tess Durbeyfield; or Tess of the D'Urbervilles]
[10] Tess of the D'Urbervilles was written by this British author of The Return of the Native and The Mayor of Casterbridge.
ANSWER: Thomas Hardy
015-12-53-07214
15. Answer the following about diseases and disorders of the liver, for 10 points each.
[10] In this disease, the tissue of the liver is replaced with scar tissue. This disease is most commonly caused by alcoholism.
ANSWER: cirrhosis (sear-OH-sis)
[10] This group of diseases causes inflammation of the liver. Its varieties include B, C, and E.
ANSWER: hepatitis
[10] In this disorder, vacuoles of triglycerides build up in the cells of the liver.
ANSWER: fatty liver disease
088-12-53-07215
16. This city was built on seven hills, including the Quirinal, Aventine, and Capitoline. For 10 points each: [10] Name this home of the Colosseum and the Forum.
ANSWER: Rome
[10] Rome is built along this river, which rises in the Apennines and flows through Umbria into the Tyrrhenian Sea.
ANSWER: Tiber River
[10] Although it now lies three miles from the coast, this city on the mouth of the Tiber served as Rome's seaport in ancient times.
ANSWER: Ostia
17. Operation Intercept was an early plan in this war, and this conflict gave the "Just Cause" to indict and arrest Manuel Noriega in 1989. For 10 points each:
[10] Name this conflict declared to be underway by Richard Nixon in 1971, after a report indicated ten to fifteen percent of servicemen in Vietnam were addicted to heroin.
ANSWER: The War on Drugs
[10] This powerful Colombian drug cartel was active until the capture of Pablo Escobar in 1993. It was the rival of the Cali cartel, and operated out of its namesake city.
ANSWER: Medillin cartel
[10] This current Mexican president's crackdown on drug cartels has gotten his country into a bitter war with over 45,000 casualties in the past six years.
ANSWER: Felipe de Jesus Calderon Hinojosa
002-12-53-07217
18. This equation is often applied to the particle in a box system. For 10 points each:
[10] Name this equation from quantum chemistry that says that the Hamiltonian of the wavefunction equals the energy eigenvalue (I-gun-val-yoo) times the wavefunction.
ANSWER: Schrodinger equation
[10] The three-dimensional Schrodinger equation is usually applied to this atom, which has one electron and one proton.
ANSWER: hydrogen atom
[10] Solving that equation requires an approximation named after Max Born and this director of the Manhattan Project.
ANSWER: Julius Robert Oppenheimer
19. The area surrounding this building was designed by Fredrick Law Olmsted. For 10 points each: [10] Name this building in Washington DC, where one of the major branches of the federal government meets.
ANSWER: United States Capitol Building
[10] This British architect that designed a prison based on Bentham's Panopticon in Richmond and the Sedgley estate in Philadelphia redigned the Capitol after it was burned in the War of 1812.
ANSWER: Benjamin Latrobe
[10] Latrobe left the project before the creation of this part of the Capitol, whose design and construction fell instead to Charles Bulfinch. Bulfinch had designed the first use of this type of structure in the Massachusetts Statehouse in 1787.
ANSWER: dome
002-12-53-07219
20. The second movement of this symphony is a waltz in $5 / 4$ time. For 10 points each:
[10] Identify this final completed symphony by its composer, first performed nine days before his death. ANSWER: Symphony no. 6 in B Minor, Op. 74, "Pathetique" [or Tchaikovsky's 6th Symphony; moderator should not say the name "Tchaikovsky" if the answering team doesn't]
[10] This Russian composer of the Pathetique Symphony also wrote the Romeo and Juliet overture and the ballet Swan Lake.
ANSWER: Pyotr Ilyich Tchaikovsky
[10] Tchaikovsky's first one of these works for this instrument was initially criticized by Nikolai Rubenstein. In 1958, Van Cliburn won the first International Tchaikovsky Competition after playing that work of this genre for this instrument.
ANSWER: piano concerto [do not prompt "concerto"]
21. Answer the following about the Julio-Claudian dynasty, for 10 points each.
[10] The dynasty started with this first Roman emperor, who was part of the Second Triumvirate and defeated Mark Antony at Actium.
ANSWER: Augustus Caesar [or Gaius Julius Caesar Octavianus; or Octavius]
[10] This second Roman emperor married Augustus's daughter Julia and exiled himself from Rome near the end of his rule.
ANSWER: Tiberius Julius Caesar Augustus [or Tiberius Claudius Nero]
[10] When Tiberius left for Capri in 26 CE, he left the empire effectively in control of this ambitious prefect, who was accused of conspiring against Tiberius and executed in 31 CE.
ANSWER: Lucius Aelius Sejanus

