1. This philosopher argued that people gain property rights over an object by mixing their labor with it. His major work coined the phrase "association of ideas" and distinguished between an object's primary qualities, which are independent of perception, and its secondary qualities, such as color, which are caused by perception. In that work, this author argued against innate ideas, holding that the mind is a (*) "tabula rasa," or blank slate. For 10 points, name this British empiricist who wrote Two Treatises on Government and An Essay Concerning Human Understanding.
ANSWER: John Locke
2. One member of this art movement painted a Deposition in the Volterra and founded the Fontainebleau School. Besides Rosso Fiorentino, it also produced the painter of Joseph in Egypt and a Deposition, named Jacopo Pontormo. The Vision of St. Jerome and Self-portrait in a Convex Mirror characterize this art movement, to which (*) Parmigianino (pahr-mi-juh-NEE-noh) belonged. For 10 points, name this movement that emerged in the late Renaissance, typified by Madonna of the Long Neck and other works featuring strained, elongated forms.
ANSWER: Mannerism
079-10-23-04103
3. Members of this man's cabinet included Thomas Gilmer and Abel Upshur, both of whom died when a cannon exploded on the USS Princeton. This man's Secretary of State helped end the Aroostook War and was the only member of this man's original cabinet not to resign. The annexation of (*) Texas occurred during this man's presidency, which began after his running mate, nicknamed "Old Tippecanoe," died of pneumonia. For 10 points, name this tenth President nicknamed "His Accidency" who succeeded William Henry Harrison.
ANSWER: John Tyler, Jr.
083-10-23-04104
4. This author created the fictional editor Jedediah Cleishbotham. This author wrote a novel in which the Clan Mac-Ivor convinces the protagonist to join the Jacobite rising. He also wrote a novel narrated by Frank Osbaldistone about a Scottish folk hero. This author of Waverley and Rob (*) Roy also wrote a novel in which Cedric of Rotherwood disinherits his son for falling in love with Rowena. For 10 points, name this Scottish author of historical novels such as Ivanhoe.
ANSWER: Sir Walter Scott
024-10-23-04105
5. The early history of this country includes the Battle of Cepeda and constitutions written in the years 1819 and 1826, the second of which was overthrown along with Bernardino Rivadavia after he failed to obtain sufficient popular support. One of its dictators, who was toppled by forces led by Justo Jose de Urquiza at the Battle of Caseros, was Juan Manuel de (*) Rosas. After the Great Depression and World War II, this country's descamisados, or "shirtless ones," helped usher in the rule of Juan Peron. For 10 points, name this country ruled from Buenos Aires.
ANSWER: Argentina [or Argentine Republic; or Republica Argentina]
6. Listeria has a surface protein that promotes assembly of this protein, which it then uses to transfer within other cells. Proteins such as tropomodulins and CapZ prevent this protein from undergoing the process of treadmilling. Cytochalasins and phalloidin are toxins that work by binding to this protein, which comes in filamentous " $F$ " polymers and globular " $G$ " monomers. This most abundant protein in animal cells makes up $\left(^{*}\right)$ cytoskeletal microfilaments. For 10 points, name this protein that also slides along myosin in the power stroke of muscle cells.
ANSWER: actin
7. This author wrote one work about Italian immigrants Marco and Rodolpho, the latter of whom marries Catherine to avoid deportation. This author created Joe Keller, who knowingly sells faulty parts that kill twenty-one airmen. This man, who wrote of Eddie Carbone in A View from the (*) Bridge, also wrote All My Sons. Giles Corey's last words are "more weight" in a play by this man in which John Proctor is accused of witchcraft. For 10 points, name this American playwright who wrote The Crucible and created Willy Loman in Death of a Salesman.
ANSWER: Arthur Asher Miller
8. A lake near La Poudre Pass is considered to be the source of this river. Part of the southern stretch of this river forms the border between Sonora and Baja California. Near the city of Yuma, this river joins with the Gila River. In the 1900's, heavy rainfall caused this river to overflow and form what is now the Salton Sea. Lake (*) Mead was formed from the water of this river during the construction of the Hoover Dam. For 10 points, name this river of the Southwestern U.S. that forms the border between California and Arizona after flowing through the Grand Canyon.
ANSWER: Colorado River
064-10-23-04109
9. Boron oxide is used to lower the thermal expansion rate of this material. Usually sodium carbonate and calcium carbonate are added in production of this material, making the soda-lime type. Like metals, it can tempered in order to increase its thermal shock resistance and change its ${ }^{*}$ ) break pattern. This amorphous substance is non-crystalline, and it does have the characteristics of a solid despite misconceptions that it is a liquid. It is primarily composed of silica. For 10 points, name this transparent material found in windows.
ANSWER: glass
001-10-23-04110
10. Slutsky's equation relates two functions for this quantity. As price increases, this quantity increases for lower-priced goods in the substitution effect. The "Hicksian" variety of this quantity is often contrasted with its "Marshallian" type. Although it increases with price for Veblen goods, this quantity is usually (*) inversely correlated with price. For 10 points, name this concept, often paired with supply, which represents the public's desire for a product.
ANSWER: demand
11. In the second movement of one of this composer's works, a passage evoking La Marseillaise succeeds the Lutheran hymn "A Mighty Fortress Is Our God.' That work, In Black and White, was composed at roughly the same time as his Cello Sonata. A flute solo represents the title character in his setting of the Mallarmé poem (*) Prelude to the Afternoon of a Fawn. "Play of the Waves" is the title of the second movement of his symphony La Mer. For 10 points, name this French composer whose Suite Bergamesque includes the song "Claire de Lune."
ANSWER: Achille-Claude Debussy
12. This man told his killer "Shoot, coward! You are only going to kill a man" after he was hunted down in Bolivia. He is the subject of Alberto Korda's photograph "Guerrillero Heroico." This man was appointed president of the national bank despite receiving training as a ${ }^{(*)}$ ) doctor. This man attempted to raise a Marxist revolution in the DR Congo and wrote a popular guidebook to guerilla warfare. In his youth, he took a motorcycle journey across South America. For 10 points, name this Cuban revolutionary and advisor to Fidel Castro.
ANSWER: Che Guevera [or Ernesto Guevara de la Serna]
015-10-23-04113
13. One character in this novel is upset that his riding horse Frou-Frou must be killed after a riding accident. A marriage in this novel is threatened when the husband's brother Nikolai is revealed to be dying of consumption, though that couple, Kitty and Levin, had earlier hit a roadblock when Kitty refused to accept Levin as her suitor. The title character engages in a lengthy affair with Count (*) Vronsky before committing suicide near this work's end. For 10 points, name this novel by Leo Tolstoy. ANSWER: Anna Karenina
14. This man concluded that the mathematical difficulties inherent in solving his system of ten namesake field equations presented a "serious impediment" to advancement of one theory. His namesake model of solids was a precursor of the Debye model, and he also showed that the law $E$ equals $h$ nu is not specific to ${ }^{(*)}$ blackbody radiation. His namesake relation deals was introduced in one of his papers on Brownian motion. He won the Nobel Prize in Physics for his work on the photoelectric effect, but is best known for a theory which predicts length contraction and time dilation. For 10 points, name this formulator of the theory of general relativity.
ANSWER: Albert Einstein
15. Dominican friars sing 'Laetabundus" on the morning of this day. It occurs twelve days before Epiphany. Eastern Orthodox churches celebrate it on January 7 due to discrepancies between the Gregorian and Julian calendars. In the wake of the English Civil War, the Puritans banned celebration of this holiday. One popular theory states its date was chosen to coincide with the Roman festival for (*) Sol Invictus, to encourage the spread of Christianity. For 10 points, name this holiday preceded by Advent and celebrated with trees and presents on December 25th.
ANSWER: Christmas
16. One character in this film carries on a phone conversation while extinguishing a fire started when his girlfriend burns a scarf he gives her. That character is accused of animal cruelty after feeding chicken to a chicken he is tasked with taking care of. In this film, Justin Timberlake plays Sean Parker and Armie Hammer plays Cameron and Tyler Winklevoss, crew rowing twins who (*) sue the protagonist for stealing the idea of their website, the Harvard Connection. For 10 points, name this film in which Jessie Eisenberg plays Mark Zuckerberg and which documents the founding of Facebook.
ANSWER: The Social Network
17. This poet asked his wife for forgiveness in their old age in his three-volume work "Asphodel, That Greeny Flower." Another work of his personifies a city which 'lives in the shadow of Passaic Falls." This author of Paterson claimed 'no ideas but in things," a maxim borne out by poems which describe the title object "glazed with rainwater beside the white (*) chickens" and apologize for eating "the plums that were in the icebox." For 10 points, name this poet of "The Red Wheelbarrow" and "This Is Just To Say."
ANSWER: William Carlos Williams
082-10-23-04118
18. One leader of this country gave the "Winds of Change" speech forecasting the growth of independence movements in Africa. That man's predecessor relegated much of his domestic policy to Rab Butler and oversaw the weakening of his alliance with the U.S. following an incident that led to the "Law not War" rally. The Beveridge Report was issued in this nation, setting up its liberal health care system. Anthony (*) Eden and Harold Macmillan were twentieth century leaders of, for 10 points, what nation whose prime ministers also include John Major and Tony Blair?
ANSWER: United Kingdom [or Great Britain]
19. George Barnard's statue of this person in Cincinnati was derided as 'the stomach-ache statue," and was passed over in favor of a statue of him by Augustus St. Gaudens for Parliament Square, London. Above an inscription noting that his memory is "enshrined forever," one can see a statue of him by (*) Daniel Chester French. For 10 points, name this President, depicted by Gutzon Borglum as the rightmost figure on Mount Rushmore, as well as in a seated position at his namesake Washington "memorial."
ANSWER: Abraham Lincoln
20. The rate of convergence of Newton's method is described with this adjective. The existence of solutions for two particular congruence relations of odd primes $\mathbf{p}$ and $q$ is determined by whether both $p$ and $q$ are congruent to $3 \mathbf{m o d} 4$, according to a reciprocity theorem of this name solved by Gauss. The discriminant of this type of polynomial is b squared (*) minus four ac, which is found under a square root to find the roots of this type of equation. For 10 points, name these polynomials of order two, meaning that they are equal to a times x squared plus b times x plus c .
ANSWER: quadratic [or order two before mentioned]
21. At the end of this novel, help comes to the main characters' village from the agricultural expert Napoleon Letsitsi. One character in this work follows his cousin Matthew and Johannes Parfuri and is defended by Mr. Carmichael in a murder trial. This work starts with the main character leaving the village of Ndotsheni when he gets news that his sister Gertrude is sick. That character's son (*) Absalom killed Arthur Jarvis. For 10 points, name this work in which Stephen Kumalo goes to Johannesburg, which was written by Alan Paton.
ANSWER: Cry, the Beloved Country
22. Monostatos tries to pursue a princess who was supposedly kidnapped by Sarastro in this work. The queen instructs her daughter to kill Sarastro and gives her a dagger in this work, and one character breaks his vow of fasting by accepting water from an old woman. That old woman later turns out to be (*) Papagena, who eventually settles down with Papageno. Prince Tamino is given the title object and is told to rescue Pamina at the beginning of this opera. For 10 points, name this opera by Mozart about an enchanted instrument.
ANSWER: The Magic Flute or Die Zauberflote
23. Vietnamese national hero Le Loi defended his country against this dynasty's forces. The Fish Scale Records were used to calculate taxes by this dynasty's founder, the Hongwu Emperor. This dynasty's Yong-le Emperor ordered the construction of Beijing's Forbidden City. The (*) Yuan Dynasty fell during the Red Turban Rebellion, which brought this dynasty to power. Zheng He was a eunuch admiral who explored under this dynasty's banner. For 10 points, name this Chinese dynasty that began in the 1300s and was renowned for its porcelain.
ANSWER: Ming Dynasty [or Empire of the Great Ming; or Ming Chao]
24. He was suffocated by the soldier Macro after years of ineffective rule, during which he amused himself on Capri instead of returning to Rome. For 10 points each:
[10] Name this second Roman Emperor.
ANSWER: Tiberius Julius Caesar Augustus [or Tiberius Claudius Nero]
[10] Tiberius succeeded this first emperor after marrying his daughter Julia. This adopted nephew of Julius Caesar was said to have "found Rome a city of brick and left it marble."
ANSWER: Augustus Caesar [or Gaius Octavius; or Gaius Julius Caesar Octavianus]
[10] In the late 20s CE, this leader of the Praetorian Guard consolidated power in Rome in the absence of Tiberius, and conspired to murder Tiberius's son Drusus. However, after he was elected consul, Tiberius had him killed.
ANSWER: Lucius Aelius Sejanus
019-10-23-04201
25. Name the following about the physical geography of Washington, D.C., for 10 points each.
[10] D.C. lies along this river, which empties into Chesapeake Bay.
ANSWER: Potomac River
[10] This tributary of the Potomac rises in nearby Prince George's County, Maryland. Along with Rock Creek and the Potomac, it comprises the capital's flowing water.
ANSWER: Anacostia River
[10] The U.S. State Department and George Washington University are both located in this venerable D.C. neighborhood, named for the low-hanging clouds that often accumulate there.
ANSWER: Foggy Bottom
026-10-23-04202
26. The twenty-seventh and most recently discovered member of this group is Ferdinand, whose existence was confirmed in 2003. For 10 points each:
[10] Identify this set of satellites, which are named either for characters from Shakespeare, as in Titania, or, as in the case of Ariel and Umbriel, for characters from Alexander Pope's The Rape of the Lock.
ANSWER: the moons of Uranus [or obvious equivalents]
[10] Like Titania, this second-largest moon of Uranus, which is fifty percent water ice, is named for a character from A Midsummer Night's Dream.
ANSWER: Oberon
[10] Though Uranus has several large moons, the largest one in the solar system is Ganymede (gah-NIM-eh-dee), which orbits this planet.
ANSWER: Jupiter
019-10-23-04203
27. Name these trickster gods, for 10 points each.
[10] Either this figure from Native American myth or Raven created mankind and stole fire from the gods as a gift.
ANSWER: Coyote
[10] This African spider deity retrieved all the stories from Nyame.
ANSWER: Anansi
[10] This phallic trickster god from the mythology of Southwestern US Native American tribes plays a flute to scare away the winter.
ANSWER: Kokopelli
28. The first book of Livy provided the main inspiration for this painting. For 10 points each:
[10] Name this painting in which three brothers raise out their arms to their father, who wears a red robe and holds three swords.
ANSWER: Oath of the Horatii [or Le Serment des Horaces]
[10] Oath of the Horatii is a work by this French painter of The Death of Marat.
ANSWER: Jacques-Louis David (duh-VEED)
[10] David showed a certain episode from Roman history by depicting the "intervention" of this group of people, who's "rape" was the subject of a Nicolas Poussin work.
ANSWER: $\underline{\text { Sabine women [accept equivalents; prompt on } \underline{\text { Sabines }} \text { or similar answers] }] ~}$
064-10-23-04205
29. This building was designed by Iktinos and Kallikrates. For 10 points each:
[10] Name this temple dedicated to Athena which is located in the Acropolis.
ANSWER: Parthenon
[10] The Parthenon is an example of this order of classical architecture, which is characterized by plain columns with no base.
ANSWER: Doric order
[10] This term refers to the uppermost part of a column, which often includes the abacus and the bell.
ANSWER: capital
30. For 10 points each, answer these questions about glycine.
[10] Glycine is an example of one these compounds that also includes leucine and lysine. They are the building blocks of proteins.
ANSWER: amino acids
[10] Glycine was the most abundant amino acid produced in this 1952 experiment which used simple organic compounds to recreate early Earth conditions.
ANSWER: Miller-Urey or Urey-Miller experiment
[10] Glycine is the only amino acid which lacks this property. It is possessed by the other amino acids since they lack an internal plane of symmetry.
ANSWER: chirality
064-10-23-04207
31. This man's English and French Suites were written for the harpsichord. For 10 points each:
[10] Name this prolific German composer who also composed a Mass in B Minor and The Well-Tempered Clavier.
ANSWER: J.S. Bach [or Johann Sebastian Bach; prompt on Johann Bach]
[10] Presented to the margrave of a certain state in 1721, this set of six works by J.S. Bach are scored for various instruments, including the violone or violone grosso.
ANSWER: Brandenburg Concertos [or Brandenburg Concerti]
[10] This other work by J.S. Bach consists of a trio sonata and several canons, all based on a musical theme given to Bach by Frederick the Great.
ANSWER: The Musical Offering [or Das Musikalische Opfer]
32. This author wrote many novels in which an honest young man becomes wealthy through hard work, including Luck and Pluck and Risen from the Ranks. For 10 points each:
[10] Name this American author of countless "rags to riches" novels, such as Ragged Dick.
ANSWER: Horatio Alger
[10] Ragged Dick charts Dick Hunter's rise from poverty to middle-class respectability in this city. Edith Wharton detailed the stifling life of its upper class in The House of Mirth and The Age of Innocence.
ANSWER: New York City [or NYC]
[10] Dick Hunter rises in status after saving the son of James Rockwell from this type of death. In An American Tragedy, Roberta Alden dies this way after being struck by Clyde Griffiths's camera.
ANSWER: drowning [or clear-knowledge equivalents]
004-10-23-04209
33. For certain situations this quantity can be determined from the $\mathrm{k}_{\mathrm{sp}}$. For 10 points each:
[10] Name this maximum amount of solute that can dissolve in a given amount of solvent.
ANSWER: solubility limit
[10] This is the situation in which more solute has dissolved in the solvent than the solubility limit.
Scratching the side of the container or adding a seed crystal will start rapid formation of crystal.
ANSWER: supersaturation [or supersaturated]
[10] In this kind of reaction, two soluble ions combine to form an insoluble compound.
ANSWER: precipitation reaction
001-10-23-04210
34. During the 19th century, this country gained independence with the help of Bernardo O'Higgins and engaged in the War of the Pacific against Bolivia and Peru. For 10 points each:
[10] Name this narrow South American country with its capital at Santiago.
ANSWER: Republic of Chile [or Republica de Chile]
[10] In 1970, this man became President of Chile and his term saw the nationalization of copper mining and banking.
ANSWER: Salvador Allende Gossens ("eye"-YEN-"day")
[10] Allende was overthrown in 1973 by a coup d'état led by this man, who led the military junta that controlled Chile until 1990. He came to power thanks to backing by the U.S.
ANSWER: Augusto José Ramón Pinochet Ugarte
083-10-23-04211
35. The singer of this song asks "can you imagine no love, pride, deep-fried chicken." For 10 points each: [10] Name this song that also asks if the subject fell "for a shooting star, one without a permanent scar" and had a parenthetical title of Tell Me.
ANSWER: "Drops of Jupiter (Tell Me)"
[10] "Drops of Jupiter" was a hit song for this rock band led by vocalist Patrick Monahan.
ANSWER: Train
[10] Train returned to prominence in 2009 with the release of this single that mentions an "untrimmed chest" and a "mister, mister on the radio, stereo."
ANSWER: "Hey, Soul Sister"
36. Written following the death of Richard West, this poem states that, "Some mute inglorious Milton here may rest" at the title location. For 10 points each:
[10] Name this poem which includes the line "Far from the madding crowd's ignoble strife/Their sober wishes never learn'd to stray."
ANSWER: "Elegy Written in a Country Churchyard" [or "Elegy in a Country Churchyard"]
[10] "Elegy Written in a Country Churchyard" was written by this English poet whose other poems include
"Ode on a Distant Prospect of Eton College" and "Ode on the Death of a Favourite Cat Drowned in a Tub of Goldfishes."
ANSWER: Thomas Gray
[10] In "Elegy Written in a Country Churchyard," Thomas Gray wrote that these lead "....but to the grave." A 1958 Stanley Kubrick film about World War I has this as its title.
ANSWER: paths of glory
030-10-23-04213
37. These subatomic entities include up, down, charm, and strange flavors. For 10 points each:
[10] Name these fundamental particles that make up hadrons.
ANSWER: quarks
[10] Two down quarks and an up quark make up this particle, which is found inside the nucleus and named because of its negligible contribution to a nucleus's charge.
ANSWER: neutron
[10] A neutron is classified as this type of hadron. Unlike mesons, hadrons of this type are comprised of three quarks.
ANSWER: baryons

003-10-23-04214
15. This man once lost a Nobel Prize by one vote to Albert Camus. For 10 points each:
[10] Name this Greek author, who wrote a controversial novel about the human nature of Jesus entitled The Last Temptation of Christ.
ANSWER: Nikos Kazantzakis
[10] Kazantzakis wrote a "Modern Sequel" to his classic Greek epic poem about a veteran of the Trojan War attempting to return home to his beloved Penelope.
ANSWER: The Odyssey
[10] This novel by Kazantzakis describes a bookish narrator who learns to embrace life thanks to the title character, a resident of Crete who was based on a real life mine worker.
ANSWER: Zorba the Greek
16. This man's most notable experiment began shortly after the trial of the Nazi Adolf Eichmann. For 10 points each:
[10] Name this man, whose aforementioned experiment involved commanding subjects to administer electric shocks to unseen persons, to test the limits of their obedience to authority.
ANSWER: Stanley Milgram
[10] Milgram also performed this experiment in which participants were instructed to forward letters to others who were likely to know the letter's final addressee. This experiment helped coin the phrase "six degrees of separation."
ANSWER: small world experiment
[10] Another famous example of obedience to authority was found in this experiment run by Philip Zimbardo at a namesake university, in which participants were randomly split into two groups of jailers and jailed.
ANSWER: Stanford prison experiment
081-10-23-04216
17. This man was Thomas Dewey's running mate in the election of 1948. For 10 points each:
[10] Name this man who served as chief justice during such cases as Brown v. Board of Education.
ANSWER: Earl Warren
[10] Warren was Chief Justice during this 1963 case involving a man who had broken into a Florida pool hall. It ruled that state courts must provide an attorney to defendants who cannot afford one.
ANSWER: Gideon v. Wainwright [or Wainwright v. Gideon]
[10] Warren was also Chief Justice during this 1967 case that declared that a law prohibiting interracial marriage was unconstitutional.
ANSWER: Loving v. Virginia
18. Pyotr Shuvalov advised this man, who quelled the January Uprising in Poland-Lithuania. For 10 points each:
[10] Name this Russian czar who was assassinated in 1881 by a terrorist organization called the People's Will.
ANSWER: Alexander II of Russia [or Aleksandr Nikolayevich; prompt on Alexander]
[10] Alexander II emancipated these people in 1861. They had been free in Austria-Hungary since 1848 and in England since 1574.
ANSWER: serfs [prompt on slaves; prompt on peasants; do not accept or prompt anything else]
[10] Eight years after freeing the serfs, Alexander II sold this territory to the US, where it is now the largest state.
ANSWER: Alaska
19. The protagonist reaches out to a girl named Mick Kelly, who longs to own a piano, and Biff Brannon, who runs a diner. For 10 points each:
[10] Name this Southern Gothic novel in which a deaf, mute man named Mr. Singer changes four lives in Georgia.
ANSWER: The Heart is a Lonely Hunter
[10] The Heart is a Lonely Hunter was written by this woman who also penned The Ballad of the Sad Café. ANSWER: Carson McCullers
[10] Carson McCullers is the dedicatee of this man's play Summer and Smoke. This man also wrote $A$ Streetcar Named Desire and The Glass Menagerie.
ANSWER: Tennessee Williams
20. This goddess was gathering flowers in the vale of Nysa when she was taken away. For 10 points each: [10] Name this goddess who is forced to spend part of the year in the underworld after her abduction by Hades.
ANSWER: Persephone [or Proserpina]
[10] This mother of Persephone and goddess of the harvest searches for her daughter after her abduction but is not able to completely free Persephone.
ANSWER: Demeter [or Ceres]
[10] Persephone is not allowed to fully return from the underworld because she ate a seed from this fruit. ANSWER: pomegranate

023-10-23-04220
21. Name these cities on the main Japanese island of Honshu, for 10 points each.
[10] This Japanese capital forms a metroplex with Yokohama. It was renamed from Edo when it became the capital in the 1860s.
ANSWER: Tokyo
[10] This city on the Yodo River delta is the largest city in Japan outside of the Tokyo metro. Its northeastern environs abut the southeast of Kyoto and Lake Biwa, and it is accessible by Kansai International Airport.
ANSWER: Osaka
[10] Not far from Osaka is this city, which was hit by the Great Hanshin Earthquake in 1995 and is the namesake of an expensive form of meat derived from Wagyu cattle.
ANSWER: Kobe

