**Tossups**

1. This composer used an Arabic scale to evoke Granada in a piano collection that also includes “Gardens in the Rain” and “Pagodas.” This composer used the key of F-sharp minor for the prelude “What the West Wind Saw” as well as the “Passepied” fourth movement of a piano suite. This composer of *Estampes* [eh-“STAHMP”] included depictions of a “Dialogue of the wind and” the title body, as well as a “Play of the Waves,” in his orchestral piece *La mer*. This composer was inspired by a Paul Verlaine poem set at night to write his most famous piece, which is found in his *Suite bergamasque*. For 10 points, name this French composer of “Clair de lune.”

ANSWER: Claude **Debussy** [or Achille-Claude **Debussy**]

1. Chaim Weizmann developed a process that produces this molecule, butanol, and ethanol using a special strain of *Clostridium*. A Hock rearrangement occurs in one step of a process that produces this molecule and phenol from benzene, oxygen and propylene, known as the cumene process. This molecule is the lightest of the three products of a pathway invoked during fasting that also produces beta hydroxybutyrate. This molecule is found with sulfuric acid and chromium trioxide in a reagent used to oxidize primary alcohols to carboxylic acids, the Jones reagent. It is commonly used to clean laboratory glassware. For 10 points, name this simplest ketone used in nail polish remover.

ANSWER: **acetone**

1. This thinker used the metaphor of a sailor being unable to measure the depth of the ocean to argue that knowledge is sufficient despite being limited. He argued that knowledge of mathematics and morality are more certain because they are based on ideas of modes. This philosopher distinguished properties of objects based on whether or not they depended on the observer, designating them primary or secondary qualities. He rejected the notion of innate ideas, because he believed that all knowledge derives from experience and our minds are a *tabula rasa* at birth. For 10 points, name this Enlightenment philosopher who wrote *An Essay Concerning Human Understanding*.

ANSWER: John **Locke**

1. This artist included his handprint in the lower left of a work that depicts a large head that has many faces embedded in its eyes and mouth. In one painting, this artist portrayed his wife as a series of spheres over water. A number of buildings are supported on animals with very tall and skinny legs in this artist’s *Temptation of St. Anthony.* This artist’s *Crucifixion* is set at Port Lligat and features Jesus on a hypercube. This artist was inspired by atomic physics to create the *Disintegration* of his most famous work; that work by this artist includes many melting clocks. For ten points, name this Catalan artist of *The Persistence of Memory*.

ANSWER: Salvador **Dali**

1. This man stormed out of Northampton Castle and fled to France after he was convicted of contempt of royal power by a great council. This man’s power was limited by a set of laws that aimed to deal with the issue of “criminous clerks,” the Constitutions of Clarendon. This man’s killer dug his sword into this man’s brain and said, “Let us away, knights; this fellow will arise no more.” The killing of this man led to one ruler doing a public penance to prevent Pope Alexander III excommunicating all of England. For 10 points, name this “troublesome priest” who was a thorn in Henry II’s side, and whose shrine is the destination of the pilgrims in *The Canterbury Tales.*

ANSWER: Thomas à **Becket** [accept Saint **Thomas** of **Canterbury**; accept **Thomas** of **London**]

1. One of this poet’s speakers defines “lust in action” as “the expense of spirit in a waste of shame.” A poem by this author insists that not even “war’s quick fire shall burn the living record” of the addressee, whom the speaker immortalized in a “powerful rhyme” that will outlive “the gilded monuments of princes.” This poet compared a lover’s hair to “black wire” in an unflattering poem that opens: “My mistress’ eyes are nothing like the sun.” This poet answered the title question of one of his poems by quipping: “Thou art more lovely and more temperate.” For 10 points, name this Elizabethan author, whose eighteenth sonnet opens: “Shall I compare thee to a summer’s day?”

ANSWER: William **Shakespeare**

1. A novel set in this country centers on a band of outlaws that includes the vicious Whitey, the intellectual Luis, and their leader Demetrio. A 109 year old spinster living in this country is fond of petting her rabbit Saga, and has a niece who is caught skinning a goat by Felipe Montero. This country is the setting of *The Underdogs,* as well as the novel *Aura,* whose author also wrote a novel titled for the “green-eyed” grandson of Ludvinia Menchaca. That novel’s title character is a corrupt businessman and listens to a tape played to him by Padilla as he lies on his deathbed. For 10 points, name this country home to the author of *The Death of Artemio Cruz,* Carlos Fuentes.

ANSWER: **Mexico** [or the **United Mexican States**]

1. This is the most general type of ordered tree on which one would perform a tree rotation. Building a frequency-sorted tree denoted by this term from the bottom-up is how Huffman codes work. Red-black and AVL trees are self-balancing examples of the search trees denoted by this term, which have their nodes ordered from least on the left to largest on the right. A logarithmic time search that repeatedly partitions a sorted array in half is the search denoted by this term. A signed representation such as ones's complement is used for this type of number. For 10 points, what type of number system is used by computers?

ANSWER: **binary**

1. In 2004, the Cleveland Museum of Art acquired ostensibly the only surviving bronze original by this sculptor, which unusually features an asymmetrically-limbed python. This man pioneered a form in which a sculptural subject's body makes a more dramatic S-curve than slight weight shift of *contrapposto*, examples of which include his sculpture of a youth leaning against a tree and preparing to stab a climbing lizard. The courtesan Phryne was supposedly this man's model for a statue in which a goddess in a namesake "pudica" pose drops her clothes onto a water jug while preparing to bathe. For 10 points, name this ancient Greek sculptor of *Apollo Sauroktonos*, *Aphrodite of Cnidus*, and *Hermes with the Infant Dionysus*.

ANSWER: **Praxiteles**

1. The first of this play’s two prologues is set in a theater, in which a director, a poet and an actor discuss the purpose of the theater. While the *Dies Irae* is being sung in the background, a character in this play is tormented by an evil spirit while in a church. That character, who finds some jewellery placed in her room by the antagonist, ends up drowning her own child. This play’s title character is taken to Auerbach’s Cellar and a Walpurgisnacht celebration, and falls in love with Gretchen. This play is about a scholar who is dissatisfied with the knowledge he has gained from his studies. For 10 points, name this play by Johann Wolfgang von Goethe whose title character makes a deal with Mephistopheles.

ANSWER: ***Faust****: The First Part of the Tragedy* [or ***Faust****. Eine Tragödie*; or ***Faust****. Der Tragödie erster Teil*]

1. At an airport in this country, hidden right-wing snipers opened fire onto left-wing Montoneros who had gathered to witness the return of a leader from exile. Che Guevara was born in this country, which underwent the “Infamous Decade” during the 1930s. This country suffered over 300 military casualties when its cruiser *General Belgrano* was torpedoed by a nuclear submarine during a war started by it carrying out Operation Rosario. During the rule of Jorge Rafael Videla, suspected dissidents were killed in the thousands in the Dirty War. For 10 points, name this country which fought the Falklands War with Britain, and was formerly ruled by Juan Peron from Buenos Aires.

ANSWER: **Argentina**

1. The founder of one of these, Benjamin F. Bache, was jailed for violating the Alien and Sedition Acts, but died before he could be tried. Thomas Jefferson stated that he “should not hesitate to prefer” a country with these items but without a government over a country without these. Andrew Hamilton successfully defended John Peter Zenger, the owner of one of these, after he was sued for libelous statements against New York Governor William Cosby. Benjamin Franklin used the pseudonym Silence Dogood to write articles in these items, which also published the Federalist Papers. For 10 points, name these periodicals in colonial America, exemplified by publications such as *The New York Weekly Journal*.

ANSWER: **newspaper**s [prompt on publications; do not accept or prompt on almanacs, magazines, etc.]

1. This molecule is produced from D-glucose in the Reichstein process. It’s not folate, but the reduced form of this molecule has a enediol which is oxidized to a diketone. This vitamin is produced in some organisms by the enzyme L-gluconolactone oxidase, which is not found in humans. This vitamin is used as a cofactor by an enzyme that produces norepinephrine from dopamine. This vitamin is used by hydroxylase enzymes that act on the lysine and proline residues in collagen, which is why a deficiency of this vitamin leads to a condition characterized by a poor fibrosis and gum bleeding. For 10 points, name this vitamin that prevents scurvy and is found in citrus fruits.

ANSWER: Vitamin **C** [accept **ascorbic acid**]

1. Lake Botos is a crater lake in this country’s Poas Volcano. This country’s cloud forest at Monteverde was home to one of the last populations of the Golden Toad. The city of Liberia is the capital of one of this country’s seven provinces, and this non-Brazil country’s Osa Peninsula is the site of Corcovado National Park. Provinces in this country include Alajuela, Guanacaste, and Heredia. This country’s residents are called “ticos” and often use the slang phrase “Pura Vida.” This Central American country is regularly listed as one of the happiest in the world. For 10 points, name this country sandwiched between Nicaragua and Panama, with capital at San José.  
   ANSWER: **Costa Rica**
2. This king signed the secret Treaty of Dover with England to form an alliance to conquer a northern neighbor. This ruler commissioned the military engineer Vauban to construct a series of fortifications defending his country’s borders. The Treaties of Nijmegen ended a series of wars between this ruler’s country and the Netherlands, which this king earlier invaded in the War of the Devolution. This ruler supported the accession of his grandson Philip V to the Spanish throne, which provoked the War of the Spanish Succession. Much of this king’s foreign policy was dictated by his chief minister Cardinal Mazarin. For 10 points, name this longest reigning French monarch, nicknamed the “Sun King.”

ANSWER: **Louis XIV** [accept nicknames like the **Sun King** before mention; prompt on Louis]

1. The power spectral density of Johnson-Nyquist noise is equal to four times Boltzmann’s constant, times temperature, times this quantity. The Quantum Hall effect can be used to calculate the quantum of this quantity, known as the von Klitzing constant. The product of this quantity and capacitance has units of time. The inverse of this quantity is measured in units of Siemens. This quantity can be calculated as the product of a constant called rho and the length of a material divided by its cross sectional area. The product of this quantity and current gives the voltage according to Ohm’s law. For 10 points, name this quantity, measured in ohms, which quantifies how difficult it is for current to pass through a circuit.

ANSWER: **resistance** [or **R**]

1. The body of a son of a religious leader was disinterred from a holy site in this modern-day country found next to the Mansion of Bahjí after that son was declared a Covenant-Breaker. A Parthenon-inspired building in this country that houses sacred relics, called an “Archives,” is found alongside a “Teaching Centre” in a “World Centre” complex. A site called “The Arc” on this modern-day country’s Mount Carmel contains the tomb of the Bab and the Universal House of Justice. Baha’i holy sites are found in the cities of Acre and Haifa in, for 10 points, what modern-day country that also contains the Western Wall and the Dome of the Rock in its capital of Jerusalem?

ANSWER: **Israel** [or State of **Israel**; or Medinat **Yisrael**; or Dawlat **Israil**]

1. In a Russian folktale, a wolf helps Ivan Tsarevich to capture a bird characterized by this phenomenon that was stealing the king’s golden apples. In the *Popol Vuh*, the K’iche’ rise to prominence because Tohil revealed this phenomenon to them. Izanami was killed by this phenomenon while giving birth to Kagutsuchi. At Ragnarök, Surtr will kill Freyr with a sword characterized by this phenomenon. A god conceals this phenomenon in a giant fennel stalk in order to bring it to the humans. Prometheus was chained to the Caucasus and has his liver eaten out every day for stealing this from the gods. For 10 points, name this phenomenon that gives off light and warmth.

ANSWER: **fire**

1. This author created a former blacksmith who abandons his plans to establish a reformatory for criminals after his actions drive Mr. Moodie’s wealthy daughter to suicide. A novel by this author opens as its narrator discovers an old manuscript by Jonathan Pue in “The Custom-House.” This author drew inspiration from the utopian Brook Farm to write about Zenobia’s unrequited love for Hollingsworth in a novel narrated by Miles Coverdale. In another novel by this author, Roger Chillingworth exposes Reverend Dimmesdale’s affair with Pearl’s mother, Hester Prynne. For 10 points, name this 19th century American author of *The Blithedale Romance* and *The Scarlet Letter.*

ANSWER: Nathaniel **Hawthorne**

1. One poem calls this person “gentle, plain, just and resolute.” A poem about this person includes an italicized portion beginning “Come lovely and soothing death, undulate round the world.” This person is the subject of the poem “The Dust Was Once a Man,” as well as a poem noting that “the ship has weather’d every rack, the prize we sought is won.” An elegy for this man repeats images of a solitary thrush singing and a star drooping in the sky. In another poem, he is represented as a sailor who has “fallen cold and dead” on the deck. For 10 points, name this president who is the subject of Walt Whitman’s poems “When Lilacs Last in the Dooryard Bloom’d” and “O Captain! My Captain!”

ANSWER: Abraham **Lincoln**

1. Louise Day Hicks founded the organization ROAR to oppose busing in this city, which was also the location for the photograph *The Soiling of Old Glory*. 21 people died in this city’s North End neighborhood as the result of a burst molasses storage tank that flooded its streets with sticky molasses. A police officer strike in this city was denounced by Calvin Coolidge’s statement “There is no right to strike against the public safety.” Oliver Wendell Holmes, Sr., a lifetime resident of this city, described prominent families in this city as its “Brahmins.” This city’s high Irish immigrant population included its influential Kennedy family. For 10 points, name this capital of Massachusetts.

ANSWER: **Boston**

**Bonuses**

1. Ferdinand Lassalle drew on this thinker to describe the “iron law of wages,” which claims that all wages tend to return to a subsistence level. For 10 points each:

[10] Name this English economist who used Portuguese wine and English cloth to illustrate the idea of comparative advantage in his book *Principles of Political Economy and Taxation*.

ANSWER: David **Ricardo**

[10] Ricardo described how actors would produce more of a good that they have a comparative advantage in if this phenomenon is “free.” Barriers to this activity include tariffs on imports and exports.

ANSWER: **trade**

[10] The Stolper-Samuelson theorem, part of the Heckscher-Ohlin model of trade, holds that changes in the prices of goods will change the prices, or “income,” of these inputs. They include land, labor, capital, and sometimes entrepreneurship.

ANSWER: **factor**s of production [accept **factor** income]

1. In 1969, a program to provide free breakfast to schoolchildren was begun in this city. For 10 points each:

[10] Name this East Bay city where Huey Newton and Bobby Seale founded the Black Panther Party.

ANSWER: **Oakland**

[10] This current governor of California was mayor of Oakland from 1999 to 2007. He earlier served as governor from 1975 to 1983, during which time he was nicknamed “Governor Moonbeam.”

ANSWER: **J**erry **Brown** [or Edmund **G**erald **Brown**, Jr.; accept anything that distinguishes him as the **younger Brown** and not his father, Pat Brown; prompt on Brown]

[10] Brown’s first stint as governor replaced this man. This conservative sent in troops to put down protests at the University of California as part of his plan to “clean up the mess in Berkeley.”

ANSWER: Ronald **Reagan**

1. One character portrayed by this actor decides to invest in a restaurant along with his friends Jeff Greene and Ted Danson. For 10 points each:

[10] Name this writer and actor who portrayed a fictional version of himself in *Curb Your Enthusiasm*.

ANSWER: Larry **David**

[10] David co-created and wrote for this show in which the title character frequents Monk’s Cafe with his friends George, Elaine, and Kramer.

ANSWER: ***Seinfeld***

[10] In season four of *Curb*, Larry is cast as the lead in this Broadway show based on a 1968 comedy film. This show infamously features a fictional Broadway show called *Springtime for Hitler*.

ANSWER: *The* ***Producers***

1. Answer the following about complex numbers, for 10 points each:

[10] Complex numbers can be thought of as a real component plus a component which is a multiple of this number. This number’s square is equal to negative one.

ANSWER: ***i*** [accept ***negative i*** from pedants/pendents]

[10] The complex numbers are one of the simplest examples of a field with this property, which means that all the roots of a polynomial with complex coefficients are themselves complex numbers.

ANSWER: **algebraic closure** [accept word forms]

[10] Complex functions are really cool, since if you can do this once to them, you can do it infinitely many times. Thus, those so-called holomorphic functions are equal to their Taylor series, the coefficients of which are found through performing this operation.

ANSWER: complex **differentiation** [accept word forms]

1. For 10 points each, answer the following about poor British governmental responses to hunger strikes.

[10] Winston Churchill advocated allowing this Indian independence activist to starve to death during one of his hunger strikes. This advocate of *satyagraha* is considered the father of independent India.

ANSWER: Mahatma **Gandhi** [or Mohandas Karamchand **Gandhi**]

[10] Members of the WSPU, which advocated for this cause, were force-fed while they went on hunger strikes in prison. Emmeline Pankhurst was a major proponent of this cause.

ANSWER: **women’s suffrage** movement [or **suffragette** movement; or anything mentioning **women** getting the **vote**]

[10] Margaret Thatcher pronounced this IRA member to be a “criminal” who “chose to take his own life” after he died following a 66-day hunger strike in Maze Prison.

ANSWER: Bobby **Sands** [or Robert Gerard **Sands**]

1. These devices use pumping to create a system in which there are more molecules in an excited state than a ground state, known as population inversion. For 10 points each:

[10] Name these devices that emit coherent, collimated beams of light.

ANSWER: **lasers** [accept **light amplification by stimulated emission of radiation**]

[10] This scientist names two coefficients, A and B, which describe the probabilities of absorption and stimulated emission. He also names a distribution of integer spin particles with Satyendra Bose.

ANSWER: Albert **Einstein**

[10] Population inversion also implies the existence of a system with this property, which paradoxically decreases in entropy as energy is added.

ANSWER: **negative temperature** [accept anything about the temperature being **less than zero** Kelvin or Rankine]

1. [NOTE TO MODERATOR: DO **NOT** READ ALTERNATE ANSWER LINES FOR THIS BONUS]

The fourth movement of this symphony introduces a “C, D, F, E” motif that is later infused into a five-voice fugato finale. For 10 points each:

[10] Name this 1788 symphony whose nickname was coined by Johann Peter Salomon. Its composer’s last, this C major symphony was most likely influenced by Michael Haydn’s Symphony No. 28.

ANSWER: ***Jupiter*** Symphony [accept BUT DO NOT REVEAL Symphony No. **41** by Wolfgang Amadeus **Mozart**]

[10] This Austraian child prodigy composed *Eine kleine Nachtmusik* and the *Jupiter* Symphony. His requiem was posthumously completed by Franz Sussmayr.

ANSWER: Wolfgang Amadeus **Mozart**

[10] Mozart’s Symphony No. 40 is one of two Mozart symphonies in G minor - name the other, which plays during the opening scene of the film *Amadeus*.

ANSWER: Symphony No. **25** in G minor

1. Name some characters from *To Kill a Mockingbird*, for 10 points each.

[10] This hero, Scout’s father, defends Tom Robinson in his rape trial.

ANSWER: **Atticus** Finch [or Atticus **Finch**]

[10] This neighbor of the Finches enjoys gardening and teaching Scout not to be racist.

ANSWER: Miss **Maudie** Atkinson [or Miss Maudie **Atkinson**; or Miss **Maude** Atkinson]

[10] This best friend of Scout lives in Meridian, Mississippi, but frequently visits Maycomb. When he runs away from home, he lies that his father kept him chained up in the basement.

ANSWER: **Dill** Harris [or Dill **Harris**; or **Charles** Baker Harris]

1. One of these drugs is degraded by the enzyme NDM-1, which portends a major public health crisis. For 10 points each:

[10] Name these antibiotics characterized by a four-membered ring with an amide linkage, examples of which include penicillin. They include cephalosporins and carbapenems and are administered with clavulanic acid.

ANSWER: **beta-lactam** [prompt on **lactam**]

[10] Beta-lactams target bacterial cell walls, which are comprised of a polymer of this polysaccharide containing N-acetylglucosamine and N-acetylmuramic acid. It contains D-amino acids to avoid destruction by host hydrolases.

ANSWER: **peptidoglycan**

[10] Destruction of the cell wall makes bacteria particularly susceptible to this process in which the movement of water into a cell causes it to swell and burst.

ANSWER: **lysis**

1. The innermost section of these structures is called the Garbagriha [“gurba-gruha”] and is generally situated under a spire that represents Mount Meru. For 10 points each:

[10] Name these structures that are generally built following the guidelines of the Vastu and Shipa Sastras. These structures house *murtis*, and visitors generally circum-ambulate them.

ANSWER: Hindu **temple**s [or **mandir**s; accept Buddhist **temple**s]

[10] An important temple at Badrinath is dedicated to this four-armed deity. Kalki will arrive on Earth as the last of ten avatars of this deity, who is the Preserver god of the Hindu Trimurti.

ANSWER: **Vishnu**

[10] A special puja, or prayer, to Lakshmi is performed during this holiday. This holiday also commemorates Rama’s defeat of the demon Ravana.

ANSWER: **Diwali** [or **Deepawali**]

1. Prior to its independence, this country was home to many highwaymen known as *klephts*. For 10 points each:

[10] Name this country which fought a war of independence against the Ottoman Empire from 1821 to 1832. Lord Byron died in this country while fighting for its independence.

ANSWER: **Greece** [or ***Hellas***]

[10] The Greek War of Independence was supported by this secret nationalist organization with Freemason-like rituals, led by Alexander Ypsilantis.

ANSWER: **Filiki Eteria** [or the **Friendly Society**]

[10] In a 1827 treaty signed in this capital city of the United Kingdom, Britain, France, and Russia decided to intervene in the Greek War of Independence on the side of Greece.

ANSWER: **London** [accept Treaty of **London**]

1. A pun-loving author from this country published a history of cigars titled *Holy Smoke*, as well as a novel published in English as his “Inferno.” For 10 points each:

[10] Name this island country home to Guillermo Infante, who recounted his time serving as infantry in his *Infanteria*. This country was also home to the author of *The Kingdom of This World*, Alejo Carpentier.

ANSWER: **Cuba** [or Republic of **Cuba**]

[10] This other Cuban author and national hero penned the *Versos Sencillos*, a poem from which was adopted into the anthem “Guantanamera.”

ANSWER: Jose **Marti** [or José Julián **Martí** Pérez]

[10] A collection of stories by Infante is titled after this place “every night.” This place also titles a prose work following Duke Basilius by Sir Phillip Sidney.

ANSWER: **Arcadia** [accept *The Countess of Pembroke’s* ***Arcadia***]

1. Richard Estes and Chuck Close created paintings that that were meant to be indistinguishable from photographs as part of this country’s photorealism movement. For 10 points each:

[10] Name this country. Another artist from this country, Jasper Johns, is most famous for his work involving this country’s flag.

ANSWER: the **United States** of America [**U.S.**A]

[10] In this American painting, a woman in a pink dress lies on the ground while gazing at a barn in the distance. The artist of this painting, Andrew Wyeth, also painted many works featuring his neighbor Helga Testorf

ANSWER: ***Christina’s World***

[10] This Precisionist American painter depicted a concrete grain elevator in *My Egypt* and drew inspiration from a William Carlos Williams poem for his painting *I Saw the Figure 5 in Gold*.

ANSWER: Charles **Demuth**

1. You’re throwing a party tonight and you need some ethanol, unfortunately you’re both broke and underage, but luckily you have access to a fully-equipped organic chemistry lab. For 10 points each:

[10] You have some ethene, so you could conceivably perform this reaction, in which the acetate of a transition metal is added to an alkene before sodium borohydride is used to reduce it to an alcohol.

ANSWER: **oxymercuration**-demercuration

[10] Another option would be acid-catalyzed hydration, in which water and this polyprotic strong acid are used to generate an alcohol through a carbocation intermediate. This molecule is produced with a vanadium oxide catalyst in the contact process.

ANSWER: **sulfuric** acid [accept **H2SO4**]

[10] Your ethanol can be oxidized into this carboxylic acid which is produced by the carbonylation of methanol in the Monsanto process. When this weak acid is anhydrous it is termed “glacial”.

ANSWER: **acetic** acid

1. An artist from this country was commissioned to created the lone tree for the set of *Waiting for Godot.* For ten 10 points each,

[10] Name this country, which was home to the artist of many “Walking Men” statues, Alberto Giacometti. Paul Klee (“clay”) was also from this countr.

ANSWER: **Switzerland**

[10] Giacometti’s many “Walking Men” are all made out of this material. This material was used for Henry Moore’s *Nuclear Energy* and Donatello’s *David.*

ANSWER: **Bronze**

[10] Klee’s *Twittering Machine* was painted using this medium. Gouache is a more opaque form of this technique that in French is known as aquarelle.

ANSWER: **watercolor**

1. This man believed fire to be the fundamental principle of nature, because fire is both always changing and always the same. For 10 points each:

[10] Name this philosopher who believed that the world is perpetually in flux, as illustrated by his statement that you cannot step into the same river twice. He used the word *logos* to describe the principles ordering the world.

ANSWER: **Heraclitus** of Ephesus

[10] This philosopher believed that the fundamental principle of the world was water. Aristotle regarded him as the father of Greek philosophy.

ANSWER: **Thales** of Miletus

[10] Instead of proposing a single element as the source of everything, Empedocles proposed a set of this many elements. He believed that this many elements are combined and separated by the forces of love and strife.

ANSWER: **four** [air, earth, fire, water]

1. The speaker of one of these poems by this author personifies time as “the subtle thief of youth.” For 10 points each:

[10] Identify this type of poem by a certain author, which include “On the Late Massacre in Piedmont.” Another one of these works describes a world as “dark” and “wide” as the speaker considers how his light was spent.

ANSWER: **sonnet**s by John **Milton** [prompt on partial answer]

[10] Milton is best known for penning this epic poem in twelve books, which ends with Adam and Eve’s expulsion from Eden.

ANSWER: ***Paradise Lost***

[10] In *Paradise Lost*, Milton assigned this name to the capital of Hell. This city is designed and built by the fallen angel Mulciber.

ANSWER: **Pandæmonium**

1. In one tradition, this god tried to make mankind immortal by crawling through the body of the death goddess Hine-nui-te-pō. For 10 points each:

[10] Name this trickster god who also lassoed the sun to make the days longer in the summer. In another tradition, he created a chain of islands by catching his fishing hook on the ocean floor and having his brothers lift it.

ANSWER: **Māui**

[10] Māui is a god from the mythology of this general group of people, which include the Māori and the Hawaiians.

ANSWER: **Polynesian** mythology

[10] This Hawaiian goddess of volcanoes lives on Kīlauea and is the rival of Poli‘ahu, who lives on Mauna Kea. She came to Hawaii after she was banished by her sister Nāmaka for starting a fire.

ANSWER: **Pele**-honua-mea

1. The British opposed the Portuguese Pink Map because it would interfere with this project. For 10 points each:

[10] Name this project that was envisioned by a political cartoon showing Cecil Rhodes straddling Africa, holding a telegraph line in his hands. This railway project intended to connect British colonies in Africa from north to south.

ANSWER: **Cape** to **Cairo** railway

[10] The British attempt to create a north-south chain of colonies conflicted with this imperial power’s dream of creating an east-west chain of colonies. This empire’s African colonies included West Africa and Algeria.

ANSWER: **France** [accept **French** colonial empire; accept **French** West Africa; accept **French** Algeria]

[10] In 1904, Britain and France entered into a “cordial” alliance with this name. A later alliance of this name consisting of Britain, France, and Russia faced off against the Central Powers in World War I.

ANSWER: **Entente** [accept **Entente** Cordiale; accept Triple **Entente**]

1. The main character of this section visits the Moon, where he learns why its surface appears pock-marked. For 10 points each.

[10] Name this section of a larger work, whose main character sees twelve bright lights inside the Sun and sees a vision of a many-petaled rose.

ANSWER: ***Paradiso*** [or ***Paradise***; or ***Heaven***; prompt on *The* ***Divine Comedy*** or *La* ***Divina Commedia***]

[10] *Paradiso* is the last section of Dante’s *Divine Comedy*, which begins with this section in which Virgil guides Dante through Hell.

ANSWER: ***Inferno***

[10] In the second circle of Hell, Dante sees two lovers trapped in an eternal whirlwind, and faints out of pity when he hears their story. Name either lover.

ANSWER: **Francesca** da Rimini or **Paolo** Malatesta [accept Francesca da **Rimini** or Paolo **Malatesta**]

1. David Quammen edited a recent issue of the National Geographic Magazine that focused entirely on this national park, which is home to a large supervolcano. For 10 points each:

[10] Name this national park, the first to be established in the US.

ANSWER: **Yellowstone** National Park

[10] A great deal of land was set aside for conservation in the US following the publication of *Silent Spring* by this environmentalist. Her writings also led to a restriction of the use of DDT in the US.

ANSWER: Rachel **Carson**

[10] This earlier environmentalist wrote about his philosophy of a “land ethic” in *A Sand Country Almanac*.

ANSWER: Aldo **Leopold**