

1. In this state's senate, Democrat Rodney Tom joined the Majority Coalition Caucus to give control to Republicans in 2012. In late 2013, Barack Obama appointed the husband of this state's representative Suzan DelBene to head HealthCare.gov. In 2012, voters in this state approved Referendum 72, supported by its gubernatorial candidate Jay (*) Inslee, which legalized gay marriage. Voters in the city surrounding this state's busiest airport recently approved a fifteen dollar minimum wage, a level that will also gradually be reached in its most populous city under a plan by Mayor Ed Murray. For 10 points, name this non-Colorado state where Initiative 502 legalized marijuana, the site of the 2014 Oso mudslide which killed forty-one people northeast of Seattle.

ANSWER: Washington State

<Bentley>

2. A character in this play tells a story about an eighty-four-year-old colleague who wears green velvet slippers and dies peacefully on a train. That character "hears but is not aware of" a recurring flute melody during this play. Dave Seligman represents the good old days in a conversation the main character of this play has with Howard Wagner. Another character in this play gives up on going to (*) UVA and quits summer school after he discovers his father having an affair in Boston, and Biff also fails to form a sporting goods business with his brother Happy. The title character of this play intentionally crashes his car in order to give his family the life insurance money. For 10 points, name this play by Arthur Miller about the suicide of Willy Loman. ?

ANSWER: Death of a Salesman

<Mehigan>

3. A photograph taken during this event shows Daniel Sego spitting on a giant bronze head which he had cut off a statue. The AVH was briefly dissolved during this event. An impassioned radio speech was given during this event by Cardinal Mindszenty after he was freed from prison. Erno Gero was placed in power in the leadup to this event, which started with students gathering at a statue of (*) Sandor Petofi. After falsely promising his rival safety in the Yugoslav embassy, the person who took power after this event held the mixed economy policy of "goulash communism." During this revolution, Imre Nagy (NAJ) was quickly replaced by Janos Kadar. For 10 points, name this 1956 uprising against Soviet domination which was crushed when tanks rolled into Budapest.

ANSWER: Hungarian Revolution of 1956

<Bentley>

4. This author wrote about the creation of the painting *La Belle Noiseuse* by Master Frenhofer in *The Unknown Masterpiece*. The five "codes" of another of this author's novellas are analyzed in Roland Barthes' *S/Z*. This author of *Sarrasine* created the criminal Jacques Collin, who uses the alias Vautrin. He wrote a novel in which a (*) pasta maker's funeral is not attended by his daughters, although it is attended by this author's recurring character Eugène de Rastignac. This author's magnum opus, which includes divisions like "Scenes of Provincial Life," consists of around a hundred works depicting French society, including *Père Goriot*. For 10 points, name this French author of the massive *Human Comedy*.

ANSWER: Honoré de Balzac

<Nediger>

5. Evidence about one of these events was first systematically studied by the Swiss-born architect Karl Weber and his successor, Francesco La Vega. The most recent event of this kind damaged many of the planes of the 340th Bomb Group in 1944. One of these events resulted in the 1908 Summer Olympics being moved to London. According to a letter to Tacitus, the most famous of these events inspired a journey to (*) Stabiae after being observed from Misenum by Pliny the Elder, who thereby died. Many of Philodemus's writings survive due to one of these events, which preserved the the Villa of the Papyri and occurred during the reign of Emperor Titus. For 10 points, name this type of event which, in 79 CE, destroyed the cities of Herculaneum and Pompeii.

ANSWER: volcanic eruptions of Mount Vesuvius [prompt on "eruptions"]

<Bentley>

6. The *meandros* motif found on ancient artifacts represented this location. Sir Arthur Evans suggested that this location took its name from a type of double-headed axe. The word "clue" derives etymologically from a tool used in this location, a replica of which inside Chartres Cathedral serves as an aid to meditation. In this location, one can find (*) Asterion, a son of Pasiphae and a figure sacred to Poseidon. Every year, seven young men and seven young girls were sent inside of this place. A hero who enters this structure is given a spool of thread by Ariadne so he can track his progress within it. For 10 points, name this structure created by Daedalus that houses the minotaur on Crete.

ANSWER: labyrinth

<Jose>

7. This man was inspired by pictures of Jean-Baptiste Charcot's Antarctic expeditions to sculpt *Three Penguins*. He was fond of using large bases to enhance the intensity of the staring, beaklike top section of his sculpture *Chimera*. One of his more controversial pieces is a bronze depiction of Marie Bonaparte that was attacked for its seemingly (*) phallic form. A 97-foot-high work consisting of seventeen and a half rhomboidal modules is part of this artist's World War I memorial at Targu Jiu, which contains the *Table of the Apostles*, the *Kiss Gate*, and the aforementioned *Endless Column*. For 10 points, name this creator of a series of planar ovoid depictions of flight, the Romanian sculptor of *Bird in Space*.

ANSWER: Constantin Brancusi ["bran-KOOSH", but literal English readings are fine too]

<Carson>

8. An example of this shape named for Jakob Steiner shares its center with the centroid of a triangle. The inverses of integrals developed to find the arc length of this shape create curves that were mapped to modular forms in the Taniyama-Shimura conjecture. The parametric equations for this shape, with a and b not necessarily equal, are x equals $a \cos t$ and y equals $b \sin t$. This shape is commonly drawn by using a piece of (*) string fixed to two pins. This shape has a semimajor and a semiminor axis, as well as an eccentricity between zero and one. For 10 points, identify this shape that resembles a flattened circle.

ANSWER: ellipse

<Reinstein>

9. The definition of the acentric factor includes the negative log of the reduced form of this quantity, when the reduced temperature is 0.7. A pure liquid's fugacity is approximated as the product of the fugacity coefficient, the Poynting factor, and this quantity. This quantity is not unitless, but it is smaller for the heavy key component during separations. The logarithm of this quantity varies linearly with one over temperature by (*) Antoine's equation. At high concentrations, a component's partial pressure equals its mole fraction times this quantity according to Raoult's Law. It equals atmospheric pressure at the boiling point. For 10 points, name this quantity, the pressure of gas above a solution.

ANSWER: vapor pressure [or saturation pressure; prompt on pressure]

<Silverman>

10. This man asserted that all life gradually moves towards self-sufficiency in a book that integrated the scientific method with the search for natural law. In another book, this man argued that "over-legislation" and the army of bureaucracy led to a "New Toryism" akin to socialism. This author of *System of Synthetic Philosophy* introduced the "first principle" of equal freedom in a work that defended the "right to (*) ignore the state's" assaults on the social organism. In that book, he claimed that men will evolve away from government to a "social equilibrium" in a process often called "Social Darwinism". For ten points, name this Victorian author of *Social Statics*, who popularized the term "survival of the fittest".

ANSWER: Herbert Spencer

<Spencer>

11. 2-methyl-hopanoids are biomarkers for this phylum. Seven genera in this phylum produce anatoxin-a. The phylum's order Nostocales contains motile, filamentous structures called hormogonia. *Anabaena* and other members of this phylum have heterocysts, but all members of this taxon have carboxysomes to limit photorespiration. Most stromatolites are formed through the accumulation of (*) mats of organisms in this phylum. They made the Earth's atmosphere oxidizing during the Great Oxygenation Event. Lynn Margulis advanced the theory that plastids originated from these organisms due to endosymbiosis. For 10 points, name this phylum of photosynthetic bacteria also called blue-green algae.

ANSWER: cyanobacteria [or Cyanophyta; or blue-green algae until it is read; do not accept or prompt on "algae"]

<Kothari>

12. In this myth system, a group of owl messengers turn sap into a fake heart rather than kill a pregnant maiden. A villain in this myth system uses ants to trick four hundred boys into thinking he's dead, then turns them into the Pleiades; a mountain falls on top of that villain as he searches out a tasty crab. The oldest source on this myth system is an illustrated book named for (*) Dresden. Heroes in this myth system survive tests of darkness, razors, and ice cold before one of them is decapitated in the House of Bats, but still manage to win a climactic ball game against the Lords of Xibalba. For 10 points, name this myth system whose stories appear in the *Popol Vuh* and which is complemented by a long-count calendar ending in 2012.

ANSWER: Mayan mythology

<Bollinger>

13. A principle of this theory would be violated by the Nordtvedt effect, which has likely been ruled out by the Lunar Laser Ranging experiment. A consequence of the use of torsion-free linear connections in this theory is the Bianchi identities. Under certain conditions, this theory predicts that particles will precess due to "frame-dragging". The "weak" form of a principle of this theory states that freely falling particles move on timelike geodesics. This theory accounted for the anomalous precession of the (*) perihelion of Mercury. A stronger form of that "weak" principle states that all physical phenomena appear the same in an accelerating inertial reference frame and a uniform gravitational field. For 10 points, name this theory introduced by Einstein in which gravity results from the curvature of space-time.

ANSWER: general theory of relativity [or GR; prompt on Einstein's theory relativity; do not accept "special relativity"]

<Karas>

14. **Members of this ethnic group were accused of murdering police chief David Hennessy, leading eleven people of this non-black ethnicity to be lynched in 1891 in New Orleans. The first U.S. citizen to be canonized by the Catholic Church was an immigrant of this ethnicity; other immigrants of this ethnicity founded Bank of America. Webster Thayer bragged about his role in giving death sentences to members of this ethnic group. A member of this ethnic group killed Anton Cermak in (*) Miami while shooting at Franklin Roosevelt. Two people of this ethnicity were posthumously pardoned by Michael Dukakis for a Braintree, Massachusetts murder conviction. For 10 points, name this ethnic group containing the anarchists Sacco and Vanzetti and Giuseppe Zangara.**

ANSWER: Italian-Americans

<Weiner>

15. **A painting by this man featuring the Vicomte Lepic, his daughters, and their dog is dominated by the vast yellow plaza in the background. This man's bassoonist friend Désiré Dihau is at the center of his painting of a pit orchestra which features only the cut-off legs of dancers at its top. A black-clad chaperone sits next to a woman who leans down to massage her ankle in his painting (*) *Waiting*. In another of this man's paintings, his brother Rene reads the *Daily Picayune* in Michel Musson's New Orleans cotton office. A woman stares vacantly into space while a glass of the title liqueur sits on a table in front of her in his *L'Absinthe*. For 10 points, name this French painter known for his many depictions of ballerinas.**

ANSWER: Edgar Degas [or Hilaire-Germain-Edgar De Gas]

<Carson>

16. **After this thinker's attempts to establish a school for the natives of Bermuda failed, he donated the funds to Yale and Harvard. Samuel Johnson's reaction to this philosopher was to kick a stone and shout "I refute it thus!" This thinker used a tree secluded by a park and a book hidden in a closet as two examples for his "master argument," and wrote that "magnitude" and "distance" are mapped by the mind onto human (*) vision. This man's *Treatise Concerning the Principles of Human Knowledge* stated his view that God maintains ideas and spirits as the only existent things. He also denied the existence of matter in *Three Dialogues Between Hylas and Philonous*. For 10 points, name this Irish bishop and philosopher who said "To be is to be perceived."**

ANSWER: George Berkeley, Bishop of Cloyne

<Jackson>

17. **This empire's ruler determined innocence with an ordeal called "trial by wood," which saw if an accused person vomited up bitter water or not. This empire gained power when Audaghost, an independent city-state on its border, fell under its rule. This empire was the first in its region to treat all gold nuggets larger than dust as its king's property. After the rule of Tunka Menin here, the (*) Almoravids went south to sack and weaken this empire, whose main ethnicity was the Soninke people. Technically, this empire's name referred to its ruler, who lived in Kumbi Saleh in the 1000s AD. For 10 points, name this empire which predates Islam, whose role in the West African salt-for-gold trade was later taken up by Mali.**

ANSWER: Ghana empire [or Wagadou]

<Jackson>

18. This author attacked *The Far Pavilions* and the *Raj Quartet* in an essay given the Orwell-inspired title "Outside the Whale". A novel by this man that opens in "the saddest of cities" is about the son of the "Shah of Blah", who meets Butt the Hoopoe and Iff the water genie. He described his life after publishing another of his books in the quasi-memoir *Joseph Anton*. This author of (*) *Haroun and the Sea of Stories* included the priestess Hind and the satirist Baal in a section of a novel focused on a prophet named Mahound. That novel opens with Gibreel Farishta and Saladin Chamcha falling from an exploding plane, and earned this man a fatwa from Ayatollah Khomeini. For 10 points, name this Indian author of *The Satanic Verses*.

ANSWER: Salman Rushdie [or Ahmed Salman Rushdie]

<Carson>

19. In one section of this work, muted horns imitate the words "Credo in unum deum"; that section of this work was originally called "Of the Divine." At the end of this piece, the flutes and high strings play a B major chord while the cellos and basses play a low C pizzicato, thus preventing a true resolution. Near the beginning of this piece, the trumpets play an ascending (*) C-G-C motif followed by two tutti chords from the orchestra and then a pounding timpani solo. The final section of this piece is called the "Song of the Night Wanderer," and Stanley Kubrick used the opening as the theme for *2001: A Space Odyssey*. For 10 points, name this tone poem by Richard Strauss based on a work of Friedrich Nietzsche.

ANSWER: Also Sprach Zarathustra [or Thus Spoke Zarathustra, accept "spake" instead of "spoke"]

<Rosenberg>

20. In one essay, this author declared that "the pause is fatal" when we stop to laugh while reading a translation of Homer. In another essay, this author of "On Not Knowing Greek" attacks the opinions of Lord Birkenhead and, in a section narrated by the Four Marys, suggests the necessity of having five hundred pounds a year in order to write. That essay argues that opportunity, not ability, would have prevented the emergence of (*) Judith Shakespeare. In one of her novels, the title character remembers a kiss with Sally Seton being interrupted by Peter Walsh. That novel by this author sees the shell-shocked Septimus Smith commit suicide on the night of the title character's dinner party. For 10 points, name this author of "A Room of One's Own" and *Mrs. Dalloway*.

ANSWER: Virginia Woolf [or Adeline Virginia Stephen]

<Bentley>

21. Rather than make her first sale, a nearsighted character in this novel gives a free gingerbread Jim Crow to an urchin, who immediately demands her other cookie. Like his ancestor, a character in this novel dies of apoplexy while seated in an oak chair due to a curse placed on his family. At the end of this novel, a secret Indian deed to the eastern lands of Maine is found behind a portrait. The central family of this novel was cursed by Holgrave's ancestor (*) Matthew Maule, whose property was seized after he was executed for being a witch. In its second chapter, Hepzibah opens a shop in preparation for her brother, Clifford Pyncheon's, imminent release from prison. For 10 points, name this Nathaniel Hawthorne novel about a dwelling with an unusual roof.

ANSWER: *The House of the Seven Gables*

<Bentley>

22. One side of this war was sent 337 tons of spoiled, pre-juiced pulp for rations, which was called "embalmed beef." A bloodless capture in this conflict included a cannon volley from Henry Glass's ship, the USS *Charleston*, that the defending force believed was an honorary salute. This war was fought 25 years after the same participants nearly fought over the *Virginus* affair. Allegations of a leader's effeminacy in the (*) De Lome letter helped spark this war, which included a volunteer cavalry unit led by Leonard Wood and included the Battles of Las Guasimas and Manila Bay. For 10 points, name this conflict during which the Rough Riders won the battle of San Juan Hill against a European power which ceded the Philippines and Cuba in 1898.

ANSWER: Spanish-American War

<Hart>

23. One model of this phenomenon uses consumption vectors and zero net-growth isoclines to determine if this phenomenon permits coexistence. That model was created by David Tilman as an extension of his R-star model of this phenomenon. Joseph Connell removed different species of barnacles to demonstrate the importance of this phenomenon in an intertidal zone. It comes in exploitative, interference, and apparent forms. Georgy Gause showed that this phenomenon on (*) two species with similar niches may cause exclusion of one species, and it can also result in character displacement. For 10 points, name this phenomenon appearing in intraspecific and interspecific forms, often caused by individuals vying for limited resources.

ANSWER: competition [or word forms]

<Kothari>

24. In the shunting-yard algorithm, function tokens are inserted into this type of data structure. A finite-state machine and this component comprise a push-down automaton. In contrast to heap-based allocation, this type of memory allocation is quicker and usually automatic, though misuse of it can lead to an overflow. A common way of debugging a program is to trace the callers of a subroutine stored in this structure. The disks in the (*) Towers of Hanoi problem are stored in this type of data structure. Elements of this container class can be inserted by pushing and subsequently removed by popping. For 10 points, name this last-in, first-out data structure that is often contrasted with a queue.

ANSWER: stacks

<Jose>

1. The reader of this book is urged to "put on the full armor of God" for protection against the "devil's schemes." For 10 points each:

[10] Name this tenth book of the New Testament, which focuses on the availability of salvation to all. Its author says that there is "one Lord, one faith, one baptism, one God and Father of us all."

ANSWER: Epistle to the **Ephesians** [or Letter to the **Ephesians**]

[10] This apostle's authorship of Ephesians was first disputed by Erasmus. Scholars are more sure that he wrote Galatians, 1 and 2 Corinthians, and Romans.

ANSWER: **Paul** the Apostle [or **Saul** of Tarsus]

[10] Chapter 5, Verse 22 of Ephesians notoriously urges wives to perform this action, creating a situation analogous to Christ being the head of the church.

ANSWER: **submit to husbands** [or answers indicating that wives should be **subservient to their husbands**; the full sentence in KJV is "Wives, **submit yourselves unto your own husbands**, as unto the Lord"]

<Gupta>

2. A man known as Captain Pouch led the Midland Revolt against this process, which proceeded rapidly in England in the 16th and 17th centuries. For 10 points each:

[10] Identify this process of erecting fences and other barriers around common land.

ANSWER: **enclosure** of common land [or **inclosure**]

[10] The pace of enclosure sped up under this English dynasty, whose first king was Henry VII.

ANSWER: House of **Tudor** [or **Tudor** dynasty]

[10] Thomas, a member of this family, was targeted by the Midland revolt for his "odious" enclosure practices. His relative, Francis, warned Lord Monteaule about the threat to Parliament from the Gunpowder Plot.

ANSWER: **Tresham** family [or Thomas **Tresham**; or Francis **Tresham**]

<Bentley>

3. This technique was proposed by Emile Zuckerlandl and Linus Pauling during their studies of hemoglobin. For 10 points each:

[10] Name this technique, which uses nucleotide or amino acid sequences to estimate the divergence time of taxa.

ANSWER: **molecular clock** [or **molecular dating**; prompt on partial answer]

[10] Molecular clock estimation is based on neutral theory's prediction that the rate of this process is constant. Whether or not a compound can induce this process is determined in the Ames test.

ANSWER: **mutation** [or **mutagenesis**; or specific types of mutation]

[10] Molecular clocks are often calibrated using these preserved remains of organisms.

ANSWER: **fossils**

<Kothari>

4. This novel's protagonist takes the trustee Mr. Norton to the Golden Day bar. For 10 points each:
[10] Name this novel that begins with white businessmen organizing a "Battle Royale" among black students, who fight for a college scholarship.

ANSWER: **Invisible Man** [do not accept "The Invisible Man"]

[10] *Invisible Man* was the only complete novel by this author. John Callahan organized 2000 unpublished pages by this man into the posthumous novel *Juneteenth*.

ANSWER: Ralph Waldo **Ellison**

[10] In order to tell his story, the narrator of *Invisible Man* feels like he must live underground, although he originally ends up down there in this accidental manner.

ANSWER: he falls down through an open **manhole** [or he falls **through the street**; prompt on "falling"]

<Mehigan>

5. This effect is the change in frequency of a wave for an observer moving relative to it. For 10 points each:
[10] Identify this effect illustrated by the change in pitch of a siren as it moves towards - and past - an observer.

ANSWER: **Doppler** effect

[10] In special relativity, the Doppler effect is modified by this phenomenon, which manifests in a clock in a moving reference frame appearing to be slower to a stationary observer. The factor of slowing is the reciprocal of the equation for length contraction.

ANSWER: **time dilation**

[10] For an object undergoing length contraction, the length seen by the stationary observer is equal to the proper length divided by this quantity.

ANSWER: **Lorentz factor** [or **gamma**]

<Voight>

6. Rodrigues is an island in this archipelago. For 10 points each:

[10] Name this group of islands in the Indian Ocean, that also contains the island of Réunion.

ANSWER: **Mascarene** Islands

[10] The components of this island country are all found within the Mascarene Islands. During a near-coup in 1983 against Anerood Jugnauth, India mobilized a battalion to invade this country, whose capital is about 100 miles northeast of Réunion's.

ANSWER: Republic of **Mauritius**

[10] Mauritius was the only home to this now-extinct flightless bird.

ANSWER: **dodo** bird [or **Raphus cucullatus**]

<Karas>

7. This character gets lost on the way back to his own trench, forcing him to hide in a shell-hole, where he stabs a printer named Gerard Duval. For 10 points each:

[10] Name this member of a company led by Lieutenant Bertinck, who, like many of his friends, was convinced to enlist in the German army by the schoolteacher Kantorek.

ANSWER: **Paul Bäumer** [accept either; "Bäumer" is pronounced "BOY-mer" but a literal English reading is fine too]

[10] Paul Bäumer is the protagonist of this Erich Maria Remarque novel about World War I.

ANSWER: **All Quiet on the Western Front** [or **Im Westen Nichts Neues**]

[10] Bäumer becomes apathetic about his own life after the death of this expert scavenger, an older soldier who dies from a shrapnel splinter to the brain as Bäumer carries him back to camp.

ANSWER: **Stanislaus "Kat" Katczinsky** [accept any of the three]

<Carson>

8. Name some things about ethical conflicts in psychological experiments, for 10 points each.

[10] This Yale psychologist was inspired by the Eichmann trial to conduct an obedience experiment involving fake electric shocks that was later criticized for causing "permanent psychological damage" to its participants.

ANSWER: Stanley **Milgram**

[10] Another controversial set of experiments was this one designed to Albert Bandura to demonstrate his social learning theory. During this study, children observed adults getting rewarded for violence toward a namesake toy.

ANSWER: the **Bobo doll** experiments

[10] Today most psychologists are overseen by an Institutional Review Board, which leads to far less exciting studies like this man's experiments in cognitive dissonance. This man examined the effects of "disconfirmation" of predictions in *When Prophecy Fails*.

ANSWER: Leon **Festinger**

<Spencer>

9. Maurice Duruflé's *Requiem* used a number of themes inspired by this style of music, which was written in a notation called "neumes" before Guido of Arezzo introduced staff notation. For 10 points each:

[10] Identify this variety of monophonic plainsong sung during the Roman Rite, which was named for an early Pope.

ANSWER: **Gregorian chants** [prompt on "chant" or "plainchant"]

[10] The Byzantine octoechos inspired the eight types of these organizational systems used for Gregorian chant. They come in plagal and authentic types, are characterized by their final and their ambitus, and are sometimes given Greek names like "Dorian" or "Mixolydian".

ANSWER: musical **modes** [or Gregorian **modes**; or church **modes**]

[10] Gregorian chant heavily influenced the "tintinnabulistic" compositional style of this contemporary Estonian composer, whose works include *Spiegel im Spiegel* and *Fratres*.

ANSWER: Arvo **Pärt**

<Carson>

10. This country underwent an "economic miracle" with the help of the Marshall Plan. For 10 points each:

[10] Name this country where the arrival of the millionth guest worker, Armando Rodrigues, was much publicized in 1964. Many guest workers here did not leave after their two to three year period of employment ended.

ANSWER: **West Germany** [or **Federal Republic of Germany**; or **Bonn** Germany; or **Westdeutschland**; or **Bundesrepublik Deutschland**; do not accept or prompt on "Germany"]

[10] Descendants of guest workers from this country now make up Germany's largest minority, and contributed a skewered meat dish called *döner* to German cuisine.

ANSWER: Republic of **Turkey** [or **Türkiye** Cumhuriyeti]

[10] This West German Minister of Economics, who presided over the "economic miracle," advocated the social market system. He succeeded Konrad Adenauer as Chancellor.

ANSWER: Ludwig **Erhard**

<Bentley>

11. One of the earliest painters of these types of works was Joachim Patinir, who include Charon crossing the Styx and the Flight into Egypt in his examples of them. For 10 points each:

[10] Identify this type of painting exemplified by Jacob van Ruisdael's *The Windmill at Wijk bij Duurstede* ("wike" "by" "DUR-shtayd") Paintings of this type often emphasize elements like mountains and forests, rather than humans.

ANSWER: **landscape** painting [or **landscape** art; or **landskip**; or **landschap**]

[10] Van Ruisdael's landscape painting of one of these types of cemeteries includes a rainbow rising from the left of a ruined building. A father places a necklace on his daughter in a Rembrandt painting titled for this type of "bride".

ANSWER: **Jewish** [or **Joodse**; accept *The **Jewish** Cemetery* or *De **Joodse** Begraafplaats* or *The **Jewish** Bride* or *Het **Joodse** bruidje*]

[10] This German Renaissance painter created what many consider to be the first landscape in oil, his *Landscape with Footbridge*. His most famous painting, though, is his massive, chaotic *Battle of Issus*.

ANSWER: Albrecht **Altdorfer**

<Bentley>

12. This man's father is described as "A true Hidalgo, free from every stain / Of Moor or Hebrew blood" and he survives a shipwreck where he is nursed back to good health by Haidée. For 10 points each:

[10] Identify this hero of an epic poem, who ruins Alfonso and Julia's marriage when he's discovered in Julia's bedroom.

ANSWER: **Don Juan** [pronounced "joo-an" but any reasonable pronunciation is fine]

[10] *Don Juan* was written by this British poet of *Childe Harold's Pilgrimage*. He described a "heart whose love is innocent" in his poem "She Walks in Beauty".

ANSWER: George **Gordon**, Lord **Byron** [accept either underlined answer; or George Gordon **Noel**, 6th Baron Byron]

[10] *Don Juan* is mockingly dedicated to this Lake poet, who is sarcastically dubbed an "Epic Renegade" who "turn'd out a Tory at last". This author of the anti-war poem "After Blenheim" also wrote *Madoc* and *Thalaba the Destroyer*.

ANSWER: Robert **Southey** [or Bob **Southey**]

<Bentley>

13. This novel introduced a fictional dialect that included terms like "karass", a group of cosmically linked people, "granfalloon", a false karass, and "foma", or harmless untruths. for 10 points each.

[10] Identify this Kurt Vonnegut novel set largely on the Caribbean island of San Lorenzo, which deals with the disastrous consequences of Felix Hoenniker's invention of ice-nine.

ANSWER: **Cat's Cradle**

[10] Many of the aforementioned dialect words refer to aspects of this fictional religion from *Cat's Cradle*, which was founded by Earl McCabe and Lionel Boyd Johnson.

ANSWER: **Bokononism** [or word forms]

[10] The most important ritual of Bokononism is *boko-maru*, an intimate connection formed when two people touch these parts of their bodies together.

ANSWER: the soles of their **feet**

<Mehigan>

14. Name these abolitionists, for 10 points each.

[10] This hyper-religious bearded man orchestrated the Pottawatomie Massacre in Kansas. He was hanged after his failed attack on Harpers Ferry.

ANSWER: John **Brown**

[10] This man published uncompromising calls for full abolition in his paper *The Liberator*, starting in 1831. He called the Constitution a "covenant with death."

ANSWER: William Lloyd **Garrison**

[10] Wendell Phillips gave a eulogy for this abolitionist at Faneuil Hall in 1837. This editor of the *St. Louis Observer* was killed when a mob stormed his newspaper's building in Illinois.

ANSWER: Elijah Parish **Lovejoy**

<Bentley>

15. In its final stanza, its singer claims to be "swifter and swifter, like a thunderbolt", while earlier, he claims that "razors and combs, lancets and scissors, are at my command". For 10 points each:

[10] Name this difficult, triplet-filled baritone aria, sung by a character who repeats his own name several times before the final patter section.

ANSWER: "**Largo al factotum**"

[10] "Largo al factotum" is sung by Figaro in this opera, which ends with Count Almaviva eventually marrying Rosina after carrying out various schemes to trick her guardian Doctor Bartolo.

ANSWER: *The **Barber of Seville**, or The Useless Precaution* [or *Il **barbiere di Siviglia**, ossia L'inutile precauzione*]

[10] *The Barber of Seville* is an opera by this Italian, who also composed the music to *La Cenerentola* and *William Tell*.

ANSWER: Gioachino Antonio **Rossini**

<Berend>

16. Answer the following about setting things on fire in chemistry lab, which of course you shouldn't do, for 10 points each:

[10] These organic compounds, often used as solvents, are especially flammable, since they are easily oxidized to form peroxides. These compounds were once used as anesthetics.

ANSWER: **ethers**

[10] Ethers and flammable alcohols are usually stored in a flammables cabinet of this color, which is used for general flammable materials. On the NFPA diamond, this color stands for reactivity.

ANSWER: **yellow**

[10] This metal has a characteristic yellow color in flame tests, which is really a doublet of emitted photons. The wavelength of this element's D line is used as a standard in polarimetry.

ANSWER: **sodium** [or **Na**]

<Silverman>

17. This husband of Fand owns an invisibility cloak and a ship he can direct telepathically. For 10 points each:

[10] Name this Celtic god of the seas.

ANSWER: **Manannan** mac Lir

[10] Manannan used a magic potion to make this man forget he was Fand's lover. This spear-wielding berserker was known as Setanta until he killed a guard dog.

ANSWER: **Cuchulainn** (coo-HOO-lin)

[10] Manannan fostered this woman's children. In the Ulster Cycle, she initiates a tragedy by leaving Conchobar mac Nessa for Naoise.

ANSWER: **Deirdre** of the Sorrows

<Bollinger>

18. These people traditionally wore loose pants called *bombachas* and threw a tool consisting of three stone spheres connected to thin rope called a *bolas*. For 10 points each:

[10] Name these professionals, whose golden age ended after fences were constructed on *estancias*.

ANSWER: **gauchos** [prompt on "cowboys" or "vaqueros"]

[10] Gauchos roamed the pampas of Uruguay and this other country. Juan Manuel de Rosas was a 19th-century dictator of this country, which fought over the Falkland Islands with Britain.

ANSWER: Republic of **Argentina** [or República **Argentina**]

[10] Maurice de Hirsch encouraged many of these people to come to Argentina, where thousands became gauchos. They first arrived in South America at Recife in 1654.

ANSWER: **Jews** [or **Jewish** people]

<Bentley>

19. This quantity is equal to 2 times big G times mass over the speed of light squared. For 10 points each:

[10] Name this "radius" of a non-rotating black hole's event horizon.

ANSWER: **Schwarzschild** radius

[10] Roger Penrose stated this conjecture to explain why all singularities have an event horizon hiding them from view. It basically states that naked singularities do not exist, except for the Big Bang singularity.

ANSWER: weak cosmic **censorship** conjecture

[10] This quantity is equal to or greater than the speed of light for objects that are compressed into a sphere defined by the Schwarzschild radius. It is typically derived by setting the gravitational potential energy equal to the kinetic energy, and must be exceeded for an object to break free of the gravitational pull of a body, like the Earth.

ANSWER: **escape velocity** [or **escape speed**]

<Jose>

20. Name these things about Plato, for 10 points each.

[10] In his dialogues, Plato chronicled the thoughts of this teacher of his, who is the namesake of a style of learning based on questions.

ANSWER: **Socrates**

[10] Many of Plato's dialogues argue that reality we experience consists of mere copies of transcendental ideal forms, a theory he explained through this analogy in *The Republic*.

ANSWER: Allegory of the **Cave** [accept "analogy" or "parable" in place of "allegory"]

[10] This man claimed that most of Western philosophy for ignoring Plato's dangerous "totalitarian tendencies" in "The Spell of Plato", the first volume of his book *The Open Society and its Enemies*.

ANSWER: Karl Raimund **Popper**

<Spencer>

21. This group's name comes from a Dutch word for "mumbler", and it included Nicholas of Hereford. For 10 points each:

[10] Name these followers of John Wycliffe, a dissenting religious movement in pre-Anglican England.

ANSWER: **Lollards**

[10] Wycliffe got in trouble for performing this task, which was not officially sanctioned until James I tasked a group of clergymen with doing so at the Hampton Court Conference.

ANSWER: **translating the Bible** into English [or **translating the Bible** into the vernacular; prompt on "publishing the Bible"]

[10] This English king put down a Lollard rebellion led by Sir John Oldcastle. He also worked with Holy Roman Emperor Sigismund I to secure the election of Martin V as Pope and end the Western Schism.

ANSWER: **Henry V**

<Bentley>

22. Name these mineralogical properties, for 10 points each.

[10] Usually ascertained relatively using Mohs scale, diamond has a higher value for this property than quartz.

ANSWER: **hardness**

[10] This property of a mineral is the color of its powdered form. It can be determined by dragging it over a piece of unglazed porcelain.

ANSWER: **streak**

[10] A major type of this property is conchoidal, which occurs if the mineral does not have any natural planes of separation.

ANSWER: **fracture**

<Jose>

23. One of his poems is set when the speaker was "young and easy under the apple boughs" and ends with the statement "Time held me green and dying, though I sang in my chains like the sea". For 10 points each:

[10] Name this poet of "Fern Hill".

ANSWER: Dylan Marlais **Thomas**

[10] Dylan Thomas is most famous for this villanelle, which encourages the reader to "Rage, rage against the dying of the light".

ANSWER: **"Do not go gentle into that good night"**

[10] In this "play for voices", Thomas wistfully portrayed an odd bundle of characters, including Captain Cat and Mrs. Organ-Morgan, who live in the village of Llareggub.

ANSWER: **Under Milk Wood**

<Jose>