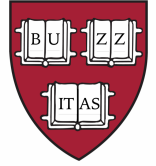


## Harvard Fall Tournament XIV

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Packet 1

Tossups

1. **The Copen ["KAH-pen"] Campaign began an invasion into this region that occurred after the siege of Sogdian Rock. A now lost description of the geography of this region was written by Megasthenes ["meh-GAS-thuh-nees"], who visited an empire in this region. An army mutinied near the Hyphasis ["hye-FAY-sis"] River in this region after being worn out by years of campaigning. (\*)** Porus lost the Battle of the Hydaspes ["hye-DAS-pees"] in this region despite employing war elephants. This was the easternmost region invaded by a general after winning the battles of Issus and Gaugamela against the Persian Achaemenid Empire. For 10 points, name this Asian subcontinent where Alexander the Great fought tribes along the Indus River.

ANSWER: **India** [accept *Indica*, which is the title of Megasthenes' work; accept **Bactria** until "geography"; anti-prompt [ask for less specific] on Pakistan, Punjab, or Indus River Valley until mention; prompt on South Asia; prompt on Mauryan Empire by asking "In what general region was the empire located in?"]

<Suh, Ancient History>

2. **A failed Washington ballot initiative aiming to implement this policy was supported by Gary Locke. A 140 point gap documented by Princeton's Thomas J. Espenshade is often cited to critique this policy. Economists Peter S. Arcidiacono and David Card disagree on the impacts of this policy. An instance of this policy controversially included the evaluation of (\*) personality traits such as "likability" and "courage." An opponent of this policy is Edward Blum, who declared his intention to appeal Judge Allison Burroughs' decision on a lawsuit against this policy. For 10 points, name this "race-conscious" policy challenged by Students for Fair Admissions.**

ANSWER: **affirmative action** [prompt on positive action; accept **race-conscious** admissions or policies before mention]

<R. Li, Current Events>

3. **Some members of this non-Serbian ethnicity practiced the "Black Hand" method to extort money from immigrants. During an 1891 event in New Orleans that Teddy Roosevelt called "a rather good thing," eleven people of this ethnicity were killed in the single largest mass lynching in American history. A New York City mayor of this ethnicity prosecuted the organizer of the (\*) Havana Conference, which was attended by members of this ethnicity. Two anarchists of this ethnicity who were controversially electrocuted for murder were Sacco and Vanzetti. For 10 points, name this ethnic group, whose emigrants to America included members of the Mafia.**

ANSWER: **Italian**-Americans (*Writer's note*: The mayor is Fiorello La Guardia.)

<Suh, American History>

4. Four dancers perform 24 consecutive *pas-de-chats* ["PAH-de-SHAs"] in an Act 2 variation of this ballet, a version of which was premiered by Pierina Legnani. At a party in Act 3 of this ballet, a male dancer dances disinterestedly with his prospective brides for a set of four national dances, including a mazurka and a Neapolitan dance. After that party, the lead ballerina of this ballet performs 32 consecutive fouettés ["fweh-TAYs"] as the character (\*) Odile after the male protagonist realizes that Von Rothbart's curse will not be broken. For 10 points, name this Tchaikovsky ballet in which Prince Siegfried and Odette kill themselves by jumping into the title body of water.

ANSWER: Swan Lake

<Sayphraraj, Dance>

5. Priests of this deity were forbidden from eating fish because of this deity's encounter with an oxyrhynchus ["OX-ee-RINK-us"]. A ram at Mendes was worshipped as an incarnation of this deity. This deity was imprisoned in a (\*) coffin that was thrown into a river and later ended up inside a tamarisk tree. Symbols of this god include the feathered atef crown, the crook and flail, and the djed ["JED"], which represents his backbone. Pieces of this god's corpse were collected and brought back to life by his wife Isis. This god's murder by his brother Set was avenged by his son Horus. For 10 points, name this Egyptian god of the dead and king of the underworld.

ANSWER: Osiris

<Duffy, Mythology>

6. The title object of a novel by this author is the subject of a Sor Juana Inés de la Cruz poem included in its "Postscript." This author wrote about a nobleman who imagines an evil twin brother named Ferrante in one novel. In another novel by this writer, two characters enter the secret *finis Africae* room, where they encounter a man that consumes the lost second volume of Aristotle's (\*) *Poetics*. In that novel, the blind, laughter-hating monk Jorge of Burgos sets a building on fire, and a series of deaths are investigated by Adso of Melk and William of Baskerville. For 10 points, name this Italian author of *The Name of the Rose*.

ANSWER: Umberto Eco (Editor's note: The second clue refers to *The Island of the Day Before*.)

<Gioia/R. Li, European Literature>

7. This structure contains two flocculi connected by thin pedicles. Climbing fibers from the inferior olivary nucleus provide input into clumps of gray matter known as this structure's deep nuclei. Mossy fibers provide input into neural complexes in this structure. Those structures are formed by tiny granular cells that comprise parallel fibers and intersect the dendritic trees of large (\*) Purkinje ["per-KIN-jee"] cells. This brain structure is under the occipital lobe and behind the medulla and pons. For 10 points, name this brain structure that mediates coordination and fine motor control and whose name is Latin for "little brain."

ANSWER: cerebellum [prompt on brain before mention; do NOT accept or prompt on "cerebrum"]

<Duffy, Biology>

8. This artist's hands are shown reaching for two black balls and sewing with a "thimble" in some photographs. While teaching in the town of Canyon, this artist depicted a gradually darkening sky in an abstract watercolor series. In another painting by this artist of *Light Coming on the Plains*, glaring light obscures the top of a building speckled with sunspots. This artist created cityscapes depicting the Shelton Hotel and the (\*) Radiator building. This artist repudiated sexual interpretations of series such as *Red Canna*, and moved to New Mexico after the death of her partner Alfred Stieglitz. For 10 points, name this artist who often painted cow skulls and flowers.

ANSWER: Georgia O'Keeffe

<R. Li, Painting>

9. In an essay, this thinker discussed how languages from southern, warmer climates became less expressive in northern settings. That work by this thinker discusses human “perfectibility” and contrasts pure self-love with self-esteem based on others’ perceptions. In an essay, this man claimed that civil societies began when a man first (\*) fenced in a piece of land and said “this is mine.” This thinker wrote about the education of the title boy in *Émile* and discussed the “sovereign of the general will” in a work that claims “man is born free, and everywhere he is in chains.” For 10 points, name this French philosopher who wrote *The Social Contract*.

ANSWER: Jean-Jacques **Rousseau**

<Gioia, Philosophy>

10. **1,3-Di-mercapto-propane, which contains two atoms of this element, is used to enable *umpolung* [“OOM-po-lung”] reactivity in aldehydes. This element can be extracted by pumping superheated water into the earth to melt ores of this element. When inhaled, the hexafluoride of this element temporarily lowers the timbre [“TAM-burr”] of one’s voice. Along with carbon and saltpeter, this element is found in (\*) gunpowder. Hair perms work by breaking and reforming bridges named for this element that form between cysteine residues. Those same bridges occur in vulcanized rubber. For 10 points, name this element whose compounds can have a rotten egg odor.**

ANSWER: **sulfur** [accept **S**]

<K. Li, Chemistry>

11. **The Muslim Kansu Braves wreaked havoc in this city after being transferred here in 1898. Clemens von Ketteler was killed in this city, marking the beginning of a siege in this city that included the burning of the Hanlin Academy. 12 bronze animal sculptures were among the few artifacts that survived the destruction of the Old (\*) Summer Palace in this city as ordered by Lord Elgin [“EL-jin”] in the Second Opium War. The siege of the Legation Quarter in this city was lifted by the forces of the Eight-Nation Alliance, who put down the Boxer Rebellion. For 10 points, name this city where the Forbidden City is located, the capital of China.**

ANSWER: **Beijing** [or **Peking**]

<Kao, World History>

12. **This man told Shane that his “presentation is shocking” in a “back-to-back” challenge. This man extolled an establishment run by Momma Cherri. A running gag in one of this man’s series is a manager’s angry rendition of his brother Nino. This man provided a “savage critique” in the Season 8 premiere of *Hot Ones* and executed “shutdowns” in a series titled for a certain location’s (\*) *Nightmares*. In a James Corden sketch, this man used two slices of bread to call Julie Chen an “idiot sandwich.” Chefs compete for a top role at this man’s Caesars Palace Las Vegas restaurant in *Hell’s Kitchen*. For 10 points, name this hot-tempered British chef.**

ANSWER: Gordon **Ramsay** (*Writer’s note*: The first clue refers to a “Back-to-Back Chef” episode from *Bon Appétit*.)

<R. Li, Trash>

13. *Description acceptable.* Residents of this place participate in weekly “Spontaneous Demonstrations” and realize they received fake money in a business deal to sell timber to Pinchfield. A lazy resident of this place constantly talks about eating sugar and wearing ribbons. Residents of this place often hear stories of an idyllic (\*) afterworld from Moses. A popular saying at this site of the Battle of the Cowshed is “Four legs good, two legs bad.” Squealer controls the propaganda of this place, whose residents sing the song “Beasts of England.” Mr. Jones is replaced by the pig Napoleon as the leader of this place. For 10 points, name this title setting of a George Orwell novel.

ANSWER: the animal farm [or Manor Farm; accept clear-knowledge equivalents, like Mr. Jones’s farm or the setting of Animal Farm; prompt on the Cowshed until mention or just farm] (*Writer’s note*: The lazy resident is the horse Mollie.)

<Suh, British Literature>

14. A song sung during this holiday about “one little goat” may actually be about the foreign nations that oppressed the observers of this holiday. Observers of this holiday ritually prepare but do not eat a shankbone and hard-boiled eggs, and eat bitter herbs called *maror*. A song sung during this holiday is “Dayenu” [“die-YAY-noo”], meaning (\*) “it would have been enough.” The youngest child of each family asks the question “Why is this night different from all other nights?” during this holiday. Observers of this holiday eat unleavened bread called *matzah*. For 10 points, name this Jewish holiday that includes the seder feast and commemorates the Exodus from Egypt.

ANSWER: Passover [or Pesach]

<Suh, Religion>

15. A pitcher named after this character is ejected from the Patriot League in Philip Roth’s *The Great American Novel*. In a poem, this character likens surrender to drawing well water and then defeats King Akka. This character confides to an alewife how he refused to bury a body until a maggot exited its nose. This character builds 300 poles to cross the Waters of Death and becomes distraught after (\*) seven loaves of bread prove that he slumbered for a week. This character embarks on a journey to find the flood survivor Utanapishtim, and slays Humbaba with Enkidu. For 10 points, name this king of Uruk and namesake of a Sumerian epic.

ANSWER: Gilgamesh [accept Bilgames] (*Writer’s note*: The first clue refers to the character Gil Gamesh, and the second clue refers to the Sumerian poem “The Envoys of Akka.”)

<R. Li, World Literature>

16. This practice was regulated by Mixed Commission Courts co-operated by Britain, Portugal, Spain, and the Netherlands. An 1833 legislation that regulated this practice passed merely three days before the death of the legislation’s biggest advocate. The Treaty of Utrecht granted Britain the *asiento*, or monopoly, on this practice within the Spanish Empire. (\*) William Wilberforce was a major advocate for banning this practice. John Newton wrote “Amazing Grace” years after participating in this practice in the Middle Passage. For 10 points, name this practice of procuring and using forced labor, mainly from Africa.

ANSWER: slavery [accept the slave trade] (*Writer’s note*: Wilberforce died three days after the Slavery Abolition Act of 1833 passed.)

<Suh, British History>

17. For an orthogonal projection, the kernel and image have this relationship. For a set  $W$ , a subspace described by this word is the set of all vectors orthogonal to  $W$ . Taking this operation on a set produces a set which is disjoint from it. De Morgan's laws state that this operation performed on the union of two sets is equal to the (\*) intersection of this operation performed on each of the sets. Taking this operation on a set can be denoted with a bar over the set's name. If two angles have this property, the sine of one is equal to the cosine of the other. For 10 points, give this term which refers to angles whose values sum to 90.

ANSWER: complementary [accept orthogonal complement; prompt on not or negation]

<K. Li, Math>

18. A poem from this movement describes a “budger of history” and “toy of universe” and is typeset in the shape of the title weapon. Another poem from this movement describes “children screaming under the stairways” and “old men weeping in the parks.” The speaker is waiting for a “rebirth of wonder” in a poem published in *A Coney Island of the Mind* by the founder of (\*) City Lights Bookstore, who is associated with this movement. A poem from this movement dedicated to Carl Solomon declares “I saw the best minds of my generation destroyed by madness.” For 10 points, name this American literary movement whose members included Allen Ginsberg, the poet of “Howl.”

ANSWER: Beat generation (*Writer's note*: The first poem is Gregory Corso's “Bomb,” the second is “Howl,” and the third is Lawrence Ferlinghetti's “I Am Waiting.”)

<R. Li, American Literature>

19. A six-movement work written during this composer's *Sturm und Drang* period ends with violinists stopping the *Presto* finale to retune their strings. A C-major drone persists throughout the finale of this composer's work subtitled “Bear.” This composer imitated Turkish music in a work depicting the “hellish roar of war,” immediately following that (\*) symphony with one depicting the ticking of a clock. This composer wrote one set of symphonies in Paris and one in London, the latter of which includes a symphony with a sudden *fortissimo* G-major chord that gives the title “Surprise.” For 10 points, name this Austrian “father of the symphony.”

ANSWER: Franz Joseph Haydn (*Writer's note*: The first clue is Haydn's Symphony No. 60, “*Il distratto*.”)

<Yue, Music>

20. Electrons in graphene behave as if they have a value of zero for this quantity, and neutrinos oscillate due to their nonzero value of it. The cyclotron frequency is inversely proportional to this quantity. The rocket equation features the logarithm of a ratio between two of these quantities. This quantity's “reduced” form, used in two-body problems, is symbolized *mu*. This quantity's (\*) inertial form is equal to its gravitational form according to the equivalence principle. The Higgs boson gives particles a nonzero value of this quantity. This quantity multiplies acceleration to give force. For 10 points, name this quantity measured in kilograms.

ANSWER: mass

<Yue, Physics>

21. As Chancellor of the Exchequer, this man claimed that Britain had moved from a time of *Bleak House* towards *Great Expectations*. This man's half-brother Austen won a Nobel Peace Prize for helping to negotiate the Locarno Treaties. Ramsay MacDonald, Stanley Baldwin, and this man were the three Prime Ministers attacked by the book (\*) *Guilty Men*, which was published in 1940. After working with Édouard Daladier and Benito Mussolini to resolve the Sudetenland crisis, this man erroneously declared “peace for our time.” For 10 points, name this British Prime Minister who appeased Nazi Germany by signing the Munich Agreement.

ANSWER: Neville Chamberlain

<Suh, British History>

## Bonuses

1. The name of this language is taken from the Russian word for “teen,” and its words are derived from a mixture of Russian, Romany, English, Malay, and Cockney rhyming slang. For 10 points each:

[10h] Name this language that often emphasizes the pronunciation of words, turning “apologies” into *appy polly loggies*. Slang words in this language include *devotchka* for a girl and *droog* for a friend.

ANSWER: **Nadsat**

[10m] Nadsat is spoken by the teenage gangs of this novel. This novel’s author opposed the decision to cut its final chapter in its first American edition, which featured the “ultraviolent” Beethoven-loving Alex reforming himself.

ANSWER: **A Clockwork Orange**

[10e] Anthony Burgess’s *A Clockwork Orange* is a literary work of this genre, also exemplified by Aldous Huxley’s *Brave New World*. It often features a darker vision of the future than the contrasting genre of utopian literature.

ANSWER: **dystopian** literature [accept equivalents including **dystopia** or **dystopian**]

<Kao/Yue, British Literature>

2. In a famous 1970 George Akerlof paper, this term is contrasted with “peaches” in the context of the used car market. For 10 points each:

[10h] Name this slang term meaning a car that is found to have defects only after it has been purchased. A market for this term titles the aforementioned Akerlof paper.

ANSWER: **lemons** [accept “The Market for **Lemons**: Quality Uncertainty and the Market Mechanism”]

[10m] According to Akerlof, some people end up buying “lemons” from used car dealers because they know less about the cars on sale than the shady dealers do, leading to an asymmetry in this concept.

ANSWER: **information** [accept asymmetric **information**]

[10e] Information asymmetry is a prominent problem in this industry, as providers in this industry cannot perfectly evaluate the risk of every customer in the market. Allstate and State Farm are major players in this industry.

ANSWER: **insurance**

<Suh, Economics>

3. E-waste accumulation is fueled by the fast pace at which technology and media types advance. For 10 points each:

[10m] Name this device that used to be found in television displays. This device was used to demonstrate the existence of electrons, which are produced at the namesake electrode of the device.

ANSWER: **cathode ray** tube [or **CRT**; prompt on **vacuum** tube; prompt on **cathode**]

[10h] An element found in e-waste is the selenide of this element, which could be found in early quantum dot displays. This heavy metal is found in rechargeable batteries along with nickel.

ANSWER: **cadmium** [or **Cd**]

[10e] Cadmium toxicity is partially caused by the generation of this reactive oxygen species, which is decomposed by catalase. This compound, which can be used to clean wounds, is stored in brown bottles.

ANSWER: **hydrogen peroxide** [or **H<sub>2</sub>O<sub>2</sub>**]

<K. Li, Other Science>

4. In one film, this actress plays an alien who wanders around Scotland terrorizing men. For 10 points each:  
[10h] Name this actress who starred in *Under the Skin*. In another role, she plays a lonely, recently-married Yale graduate who forms an intimate bond with the washed-up actor Bob Harris.

ANSWER: Scarlett **Johansson**

[10m] Johansson played Charlotte in *Lost in Translation*, which was directed by a director with this surname. Another director with this surname chronicled the rise and fall of mob boss Michael Corleone in *The Godfather* trilogy.

ANSWER: **Coppola** [accept Sofia **Coppola** or Francis Ford **Coppola**]

[10e] *Lost in Translation* is set in this country, where Harris travels to shoot an advertisement for Suntory whiskey. Akira Kurosawa is a notable filmmaker from this country.

ANSWER: **Japan** [or **Nippon**]

<R. Li, Film>

5. For 10 points each, answer the following about the rotten luck of Robert Todd Lincoln, who once observed that “there is a certain fatality about presidential functions when I am present.”

[10e] Robert Todd Lincoln was notably absent when John Wilkes Booth did *this* to Robert’s father, then-president Abraham Lincoln.

ANSWER: **assassination** [accept word forms; accept any clear-knowledge equivalents like **kill**ing; prompt on **shoot**ing]

[10m] Robert Todd Lincoln was present when this president was shot by Charles Guiteau. This president was succeeded by Chester Arthur, and the Pendleton Civil Service Reform Act was passed in response to his death.

ANSWER: James Abram **Garfield**

[10h] Robert Todd Lincoln was also present at the assassination of William McKinley by this anarchist in 1901.

ANSWER: Leon **Czolgosz** [“**CHOL-gosh**”]

<CGH, American History>

6. The sculptures *Kroisos Kouros* and the *Moschophoros* [“**MOS-ko-foh-rus**”] exhibit one form of this feature. For 10 points each:

[10h] Identify this feature, the “archaic” form of which was probably used to show that the subject was alive and well.

ANSWER: **smile** [or **smiling**; accept archaic **smile**]

[10m] The *Moschophoros* features a smiling man carrying a young one of these animals. Ancient Minoan sculptures depict people leaping over these animals.

ANSWER: **cows** [or **cattle**; or **calves**; or **bulls**]

[10e] The *kouros* is the name given to free-standing sculptures showing male youths in this specific condition. The Catholic Church censored several works featuring subjects in this condition, like Michelangelo’s *David*, by covering exposed body parts with fig leaves.

ANSWER: **nude** [or being **naked**; accept equivalent descriptions of **not wearing clothes**]

<Suh, Sculpture>

7. For 10 points each, answer the following about American mountain ranges named after animals.

[10h] The Porcupine mountains in the north of this state contain an extensive old-growth forest, and the nearby Keweenaw [“**CUE-ee-naw**”] peninsula in this state extends north into a large lake.

ANSWER: **Michigan**

[10e] The Bighorn mountains, a subrange of the Rocky Mountains, are named after the Bighorn variety of this animal; another variety of this animal is typically raised for its wool.

ANSWER: **sheep** [accept bighorn **sheep**; accept *Ovis canadensis* or *Ovis aries*; prompt on **rams**]

[10m] The name of this mountain range in southeast New York is thought to derive from a now-extinct population of mountain lions. The name is now something of a misnomer, since there are no native cats left in the state.

ANSWER: **Catskill** Mountains [or **Catskills**]

<CGH, Geography>

8. This woman is credited with developing the polar area diagram, which is a type of a pie chart. For 10 points each:

[10m] Name this English social reformer whom *The Times* nicknamed the “Lady With the Lamp.”

ANSWER: Florence **Nightingale**

[10e] Nightingale became famous during this war which pitted Russia against an alliance of France, the United Kingdom, and the Ottoman Empire. British troops won a bloody victory at the Battle of Balaclava during this war.

ANSWER: **Crimean** War

[10h] Another woman who was active during the Crimean War was Mary Seacole, who operated the “British Hotel” near the frontlines for soldiers. Seacole was born in this British colony, the setting of two Maroon Wars.

ANSWER: **Jamaica**

<Suh, British History>

9. In one novel, this animal lends its name to the sociopathic captain of the *Ghost*, who rescues Humphrey van Weyden from a shipwreck. For 10 points each:

[10h] Name this animal, a “sea”-variant of which titles the aforementioned novel. In another novel, the title character is the offspring of One Eye and a female one of these animals.

ANSWER: **wolves** [prompt on **dogs**]

[10e] This author of *The Sea-Wolf* and *White Fang* also wrote a novel in which Buck accompanies John Thornton in the Klondike, *The Call of the Wild*.

ANSWER: Jack **London**

[10m] A short story by London ends with the destitute Tom King crying after losing to Sandel in this sport. Robert Cohn used to play this sport at Princeton in Ernest Hemingway’s *The Sun Also Rises*.

ANSWER: **boxing**

<R. Li, American Literature>

10. For 10 points each, answer some questions about septic shock.

[10m] The defining characteristic of septic shock is this physiological state along with sepsis. This physiological state can be caused by the widening of blood vessels.

ANSWER: **hypotension** [or **low blood pressure**; do NOT accept or prompt on “hypertension”]

[10e] This biological process, which can be mediated by TNF $\alpha$  [“**T-N-F-alpha**”], causes many of the symptoms of septic shock. This process, which is characterized by redness and swelling, can be treated with NSAIDs [“**N-SEDS**”] like ibuprofen.

ANSWER: **inflammation**

[10h] This Gram-positive genus of bacteria, a species of which produces clumping factor, is a major cause of sepsis. The coagulase test is used to differentiate different species within this genus.

ANSWER: **Staphylococcus** [accept *Staphylococcus aureus*]

<K. Li, Biology>



11. For 10 points each, answer some questions about the French Baroque composer François Couperin.

[10e] Couperin was a notable performer of this instrument, writing a treatise on “The Art of Playing” it. This early precursor to the piano works by plucking rather than hitting the strings inside.

ANSWER: **harpsichord**

[10m] Couperin’s *Apotheosis of Corelli* honors the creator of the “trio” variety of this musical form. 555 of these works were written by Domenico Scarlatti for harpsichord.

ANSWER: **sonatas** [accept keyboard **sonatas**]

[10h] This contemporary of Couperin was considered the other leading French harpsichord composer of the time. He wrote a *Treatise on Harmony* and composed pioneering French operas like *Hippolyte et Aricie* [“EE-po-LEET ay tah-ree-SEE”].

ANSWER: Jean-Philippe **Rameau**

<Yue, Music>

12. This politician helped Jean-Baptiste Jourdan win at the Battle of Fleurus. For 10 points each:

[10h] Name this politician nicknamed the “Angel of Death,” who declared that “no one can reign innocently” in a speech before the National Convention. This disciple of Maximilian Robespierre planned the execution of Jacques Hébert.

ANSWER: Louis Antoine Léon de **Saint-Just** [“sen-JOUZ”]

[10m] Saint-Just was a member of this political club, founded by Robespierre. The Girondins [“jee-ron-DANS”] and Montagnards were both originally part of this larger political club.

ANSWER: **Jacobins** [or the **Jacobin** Club; or Society of the **Friends of the Constitution**]

[10e] The Jacobins were active during this historical event, which began with the Storming of the Bastille in 1789. It saw the Reign of Terror and the guillotining of Louis XVI.

ANSWER: **French Revolution** [prompt on **Reign of Terror** or **Storming of the Bastille** by asking, “which was part of which larger historical event?”]

<L. Li, European History>

13. For 10 points each, answer the following about big, bad monsters from Greek mythology.

[10m] This monster was so fearsome that most of the gods fled to Egypt to avoid its wrath. This son of Gaia failed in his attempt to overthrow Zeus, and was thus buried under Mt. Etna.

ANSWER: **Typhon** [“TIE-foN”] (or **Typhos**, **Typhaon**, or **Typhoeus**)

[10h] This daughter of Poseidon and Gaia was turned into a monster by Zeus for engulfing lands in water to aid her father’s dispute with Zeus.

ANSWER: **Charybdis** [“kuh-RIB-dis”]

[10e] Possibly the most famous offspring of Typhon and Echidna is this giant three-headed dog that guards the entrance to the Underworld.

ANSWER: **Cerberus** [or **Kerberos**]

<Duffy, Mythology>

14. For 10 points each, answer the following about people who endured humiliation or worse by having to wear nooses.

[10h] Auguste Rodin's sculpture *The Burghers of Calais* depicts the title group of nobles wearing nooses to surrender to this English king, who started the Hundred Years' War by declaring himself to be the heir to the French throne.

ANSWER: **Edward III** [prompt on Edward or Edward of Windsor]

[10m] After quashing an uprising by this city in 1539, Charles V humiliated the rebellion's leaders by parading them in undershirts with nooses around their necks. Later, a treaty signed in this city ended the War of 1812.

ANSWER: **Ghent**

[10e] In a speech given in this city, Demosthenes recounted Zaleucus's decree that anyone who proposed a new law had to wear a noose around his neck. This city's Parthenon served as the treasury of the Delian League.

ANSWER: **Athens**

<Suh, World History>

15. This theorem, used to simplify circuit calculations, applies to both DC and AC circuits. For 10 points each:

[10h] Name this theorem that states that any combination of batteries and resistors can be reduced to a single voltage source and resistor. This theorem's counterpart is Norton's theorem.

ANSWER: **Thévenin's** theorem

[10m] Thévenin's theorem can be more convenient than this man's two laws for solving circuits. This man's loop rule states that the sum of voltage drops in a closed loop is zero.

ANSWER: Gustav Robert **Kirchhoff** ["KEERSH-hof"]

[10e] Kirchhoff's junction rule states the amount of this property entering and exiting a node are equal. This property is measured in amperes, is symbolized by a capital "I," and is equal to the rate of movement of electric charges.

ANSWER: electric **current**

<K. Li, Physics>

16. Jessie Mueller portrayed this singer in a 2014 jukebox musical that depicts her early work with first husband Gerry Goffin. For 10 points each:

[10h] Name this singer-songwriter whose landmark 1971 album *Tapestry* included such songs as "It's Too Late" and "I Feel the Earth Move."

ANSWER: Carole **King**

[10e] The song "(You Make Me Feel Like) A Natural Woman," which King wrote for the "Queen of [this genre of music]," is the final track of *Tapestry*. That singer, Aretha Franklin, sang in this gospel-inspired Motown genre.

ANSWER: **soul** music

[10m] Two years after the Broadway premiere of *Beautiful*, Jessie Mueller starred in this singer-songwriter's musical *Waitress*. This pop singer's most well-known singles include 2007's "Love Song" and 2013's "Brave."

ANSWER: Sara **Bareilles**

<Yue, Trash>

17. The first section of this work describes the journey of King Gylfi and his discussion with three mysterious men thought to be Odin in disguise. For 10 points each:

[10m] Name this Old Norse work which describes the Norse pantheon and the creation and destruction of the world. This collection is contrasted with a similar work written in poetic verse.

ANSWER: **Prose Edda** [or **Younger Edda**; accept but do NOT reveal **Snorri's Edda**; prompt on **Edda**; anti-prompt [make less specific] on the **Gylfaginning**; do NOT accept or prompt on the “*Poetic Edda*”]

[10h] The *Poetic Edda* is anonymous, but the *Prose Edda* was written in the early 13th century by this historian, poet, and politician. This author also wrote the *Ynglinga* [“**ING-ling**”] *Saga*.

ANSWER: **Snorri Sturluson** [accept either underlined portion]

[10e] Snorri was a member of the Althing, the parliament of this Nordic island nation, which currently meets in Reykjavík [“**RAY-key-uh-vick**”].

ANSWER: **Iceland**

<Duffy, Other Literature>

18. This scientist devised a namesake radius to better portray atoms and molecules. For 10 points each:

[10e] Name this scientist who imagined atoms as hard spheres rather than points. He also names a set of intermolecular forces that are weaker than covalent bonds.

ANSWER: Johannes **van der Waals** [or Johannes Diderik **van der Waals**]

[10m] Van der Waals defined his namesake radius when investigating the non-ideality of this state of matter. His eponymous equation of state improves upon a law named for the ideal form of this state of matter.

ANSWER: **gases** [accept ideal **gases**]

[10h] The van der Waals equation of state falls into this larger class of equations. These equations of state are named for the fact that they can be rewritten as the namesake type of polynomial with respect to molar volume.

ANSWER: **cubic** equation of state

<K. Li, Chemistry>

19. In a prologue to one work, the author sees two pigs die of this disease after coming across a poor man's rag in the street. For 10 points each:

[10m] Name this disease, which is combated in the city of Oran by the efforts of Jean Tarrou and Dr. Bernard Rieux in another work titled for it.

ANSWER: the **plague** [or the **Black Death**; or the Black **Plague**; or bubonic **plague**]

[10e] In this Giovanni Boccaccio collection, ten Florentines fleeing the Black Death tell stories about characters like Cepparello and the wife Griselda.

ANSWER: *The* **Decameron**

[10h] This author wrote a fake eyewitness account of the Great Plague of London in *A Journal of the Plague Year*. He published that novel under false initials to hide his identity since he was only five when the plague struck.

ANSWER: Daniel **Defoe**

<Yue, World Literature>

20. Prince Siddhartha Gautama left his palace for the first time when he was 29 years old. For 10 points each:  
[10h] Gautama encountered an old man, a sick man, a dead man, and this fourth sight, which caused him to rethink his worldview and renounce his former life.

ANSWER: **holy man** [or **monk** or **ascetic**; prompt on religious man]

[10m] After achieving enlightenment, Gautama found insight into these four statements, which describe *dukkha* ["**DOOK-kuh**"], or suffering, and how to avoid it.

ANSWER: Four **Noble Truths**

[10e] Gautama's teachings of the Four Noble Truths and the Noble Eightfold Path form the foundation of this Asian religion, whose oldest branch is Theravada.

ANSWER: **Buddhism**

<Duffy, Religion>

21. The preface to the 1827 play *Cromwell*, which states "there are no rules, or models," is considered to be a manifesto of this movement. For 10 points each:

[10m] Name this intellectual movement popular in Europe in the first half of the 19th century. The German *Sturm und Drang* is considered to be a precursor to this movement.

ANSWER: **Romanticism** [accept word forms]

[10e] The aforementioned play *Cromwell* was written by this French Romanticist author of *The Hunchback of Notre Dame* and *Les Miserables*.

ANSWER: Victor **Hugo**

[10h] Hugo used his fifteen-year exile on the island of Guernsey as inspiration for this novel, in which the social outcast Gilliat pines after Deruchette and battles an octopus. Sadly, he eventually kills himself by drowning.

ANSWER: **Toilers of the Sea** [or *Les Travailleurs de la mer*]

<Suh, European Literature>