

Harvard Fall Tournament XIV

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Packet 11

Tossups

1. **This is the number of ligands on a Grubbs catalyst. The bright blue hydrate of copper(II) ["copper-two"] sulfate features this many water molecules per formula unit. The transition state of an S_N2 ["S-N-2"] reaction features this many bonds to the central atom. The rings in ferrocene have this many carbons, and the polyatomic anion in Epsom salt has this many atoms. Phosphorus forms up to this many bonds with (*) fluorine atoms, resulting in a molecule with trigonal bipyramidal geometry. This is the total number of possible *d*-orbitals, as well as the number of valence electrons in nitrogen. For 10 points, name this number of carbons in pentane.**

ANSWER: five

<Yue, Chemistry>

2. **A performer of this instrument recorded the album *Conference of the Birds*, while another led a group called the "Jazz Workshop" and divided one of his works into tracks like "Track A - Solo Dancer." Ron Carter and Esparanza Spalding play this instrument, as did the composer of *The Black Saint and the Sinner Lady*, who opened another of his albums with "Better Get It in Your Soul." A jazz trio is often comprised of piano, drums, and (*) this instrument, which was played by the composer of "Goodbye Pork Pie Hat," Charles Mingus. For 10 points, name this lowest string instrument that is often plucked rather than bowed by jazz musicians.**

ANSWER: double bass [*Writer's note*: The first performer is Dave Holland.]

<Yue, Jazz>

3. **During the Siege of Turin in this war, a young soldier named Pietro Micca blew himself up to kill a contingent of French soldiers. A general named a mansion after a battle in this war in which he tricked his own Dutch allies to achieve a major victory. This war's Battle of Malplaquet was the bloodiest battle of the 18th century. John Churchill, the Duke of (*) Marlborough, worked with Eugene of Savoy to win the Battle of Blenheim in this war. This conflict, known in North America as Queen Anne's War, was ended by the Treaty of Utrecht. For 10 points, name this war fought by Louis XIV over the ascension of Philip V to the throne of an Iberian nation.**

ANSWER: War of the Spanish Succession

<Suh, European History>

4. **This man fortified a city after he found a mushroom there. After killing his uncle, this man traded kingdoms with his cousin Megapenthes. This man killed Phineus after marrying a princess that he saved from the sea monster Cetus. This man fulfilled a prophecy when he accidentally killed his grandfather with a (*) discus. That grandfather, Acrisius, set this man and his mother, Danaë ["DAH-nay"], adrift at sea in a box after this man's birth. Prior to this hero's most famous task, he sought the advice of the three Greae ["GRAY-eye"] and received godly gifts including winged sandals and a polished shield. For 10 points, name this slayer of Medusa.**

ANSWER: Perseus

<Duffy, Mythology>

5. A poem by this author opens by describing “endless worlds where children meet.” An essay claims that “poetry and religion are the same thing” for this author and compares him to those children because “they know not how to cast nets.” This poet discussed a place where “knowledge is free” and the “mind is without fear” in a poem that declares, “let my country awake.” (*) William Butler Yeats [“yates”] wrote the introduction to a poetry collection by this writer whose first poem begins, “thou hast made me endless, such is thy pleasure.” For 10 points, name this Bengali author of the Indian national anthem and the collection *Gitanjali*.

ANSWER: Rabindranath Tagore

<Gioia, World Literature>

6. This composer wrote several cantatas in his attempts to win the Prix de Rome, succeeding on his fourth try. This composer of the overtures “King Lear” and “The Corsaire” set six Théophile Gautier [“TAY-o-feel go-tee-AY”] poems to music in his song cycle *Summer Nights*. This composer employed four offstage brass choirs in the “Tuba Mirum” section of his massive (*) *Requiem*. Paganini initially rejected this composer’s work for viola and orchestra written for him, *Harold in Italy*. This composer depicted his love for Harriet Smithson in a symphony ending with a “March to the Scaffold.” For 10 points, name this French composer of the *Symphonie Fantastique*.

ANSWER: Hector Berlioz

<Yue, Music>

7. In a unique proof of Kepler’s first law, this man constructed an ellipse inside a circle in velocity space. This man invented a framework of quantum mechanics that involves propagators and sums over trajectories. This scientist’s namesake “trick” involves moving a derivative inside an integral. This physicist challenged scientists to build nanoscale motors in his talk (*) “There’s Plenty of Room at the Bottom.” This inventor of the path integral formalism gave a famous set of lectures at Caltech, and used wavy lines to indicate photons in his namesake “diagrams.” For 10 points, name this American physicist who is “surely joking” in the title of his autobiography.

ANSWER: Richard Feynman

<Yue, Physics>

8. Robert Frank claims that this phenomenon has triggered “expenditure cascades” that have increased real expenses for many families. Rapidly-growing demand for skilled labor spurs a “race between technology and education” in one model of this phenomenon. One type of this phenomenon increases when the rate of return on capital exceeds the economy’s growth rate, or “ r greater than g ,” in a model by Thomas (*) Piketty. The severity of this phenomenon is measured by the Gini coefficient. For 10 points, name this economic phenomenon exhibited by the disparity between the richest 1% and the other 99% and denounced by the *Occupy* movement.

ANSWER: economic inequality (or income inequality; accept wealth gap; do NOT accept or prompt on “poverty”)

<R. Li, Economics>

9. One of this ruler’s military commanders who died at the Battle of Zutphen wrote *The Defence of Poesy* after criticizing one of this ruler’s marriage proposals. In the Treaty of Nonsuch, this ruler received “Cautionary Towns” in exchange for providing troops to aid the Dutch revolt. After the Rising of the North, Pope Pius V excommunicated this ruler in the bull *Regnans in Excelsis*. In a speech given at (*) Tilbury, this ruler declared that she was “a weak and feeble woman” with a “heart and stomach of a king.” That speech was given after this ruler’s forces defeated the Spanish Armada. For 10 points, name this Tudor “Virgin Queen” of England.

ANSWER: Elizabeth I (prompt on Elizabeth; do NOT accept or prompt on “Elizabeth II”) [*Writer’s note*: The military commander is Sir Philip Sidney.]

<Suh, British History>

10. James Wood held up descriptions of this woman, like her fondling of the satin slippers she wore to a ball, as the first example of “modern realism.” Peasants looking through a broken window remind this woman of her childhood at that Marquis’s ball. A blind beggar follows this woman in her carriage rides to Rouen [“roo-AWN”] after she is moved by a performance of (*) *Lucia di Lammermoor*. Lheureux [“lur-OH”] calls in the debt of this Yonville resident in a novel in which the pharmacist Homais [“hoe-MAY”] competes with this woman’s husband. This woman has affairs with Léon and Rodolphe. For 10 points, name this title character of a Gustave Flaubert [“flow-BEAR”] novel.

ANSWER: Emma Bovary (or Madame Bovary or Charles’s wife; prompt on Bovary)

<Yue, European Literature>

11. An attempted coup in this country was an “internal Army affair,” according to the Cornell Paper. Forces from this country massacred mourners at a cemetery memorial service for activist Sebastião Gomes and beat journalist Amy Goodman. Economists known as the “Berkeley Mafia” advised a leader from this country, which perpetrated the Santa Cruz massacre. The 30 of September movement presaged the (*) “New Order” regime in this country, which invaded East Timor in 1975. This country’s “Guided Democracy” system was promulgated by Sukarno. For 10 points, name this large archipelago nation in Southeast Asia with capital at Jakarta.

ANSWER: Indonesia

<R. Li, World History>

12. It’s not California, but this state’s Ocala National Park contains some of the northernmost remaining colonies of an endemic species of scrub-jay. The largest island in an archipelago in this state is home to an endangered subspecies of white-tailed deer. That island chain is also home to populations of the largest native reptile in North America. The (*) Kissimmee river empties into this state’s largest lake, which in turn empties into a national park threatened by an invasive variety of python. That lake’s name derives from a Seminole word meaning “River of Grass.” For 10 points, name this state that contains Key Largo, Lake Okeechobee, and the Everglades.

ANSWER: Florida

<CGH, Geography>

13. A wide-eyed, green-skinned soldier’s nose is replaced by a rifle barrel in a painting by this artist composed during his “vache” period. In a series of paintings, this artist depicted a shadowy road illuminated by an individual streetlight under a bright blue sky. This artist of *The Ellipsis* and *The Empire of Light* also painted a scene in which two men with a club and a net prepare to ambush a man listening to a (*) gramophone, *The Menaced Assassin*. In another painting by this artist, two candlesticks and a clock rest above an empty fireplace, from which a train protrudes. For 10 points, name this Belgian surrealist artist of *Time Transfixed*.

ANSWER: René Magritte

<R. Li, Painting>

14. When preparing a material used in this technique, the radical initiator ammonium persulfate is used to induce polymerization. Sodium dodecyl [“doh-DESS-ih”] sulfate equalizes the electric charge of samples being analyzed with this technique. The size of the pores in a material used in this technique can be controlled by varying (*) acrylamide concentration. While performing this technique, running buffer completely covers the namesake material of this technique. In this technique, samples are loaded into wells and separated based on size and charge. For 10 points, name this technique that separates macromolecules by applying an electric field to a gel.

ANSWER: polyacrylamide gel electrophoresis (or SDS-PAGE)

<K. Li, Biology>

15. In this city, a mother signs her daughter up to be a piano accompanist for a concert series, and Maria sings the song “I Dreamt that I Dwelt” on Halloween. A boy’s “eyes burn with anguish and anger” at a porcelain stall in this city. A resident of this city imagines the painting *Distant Music* while looking up a staircase. This setting of “A Mother” and “Clay” is where a boy looks for a gift for (*) Mangan’s sister at a bazaar. Bartell D’Arcy sings a song in this city that reminds Gretta of Michael Furey, to the “vague terror” of Gabriel Conroy. For 10 points, name this setting of “Araby,” “The Dead,” and other stories from a James Joyce collection titled for its Irish residents.

ANSWER: **Dublin**

<Yue, British Literature>

16. Alexander Hamilton argued for the legality of one of these policies in *Hylton v. United States*. Vivien Kellems protested the “withholding” type of these policies. The constitutional requirement that “direct” types of these policies had to be apportioned among the states based on population was reversed with the ratification of the (*) Sixteenth Amendment. Despite saying “Read my lips,” George H.W. Bush failed to keep his promise of not implementing additional policies of this kind. Jim Crow laws often implemented “poll” kinds of these policies. For 10 points, the colonists decried what general type of government policies “without representation”?

ANSWER: **taxes** (or **taxation**; accept carriage **tax**, withholding **tax**, direct **tax**, income **tax**, or poll **tax**; prompt on **fiscal** policy; do NOT accept or prompt on “tariffs,” as none of the mentioned taxes are tariffs)

<Suh, American History>

17. After meeting a group of these people, Saul briefly joined them, which originated a saying asking if he was “among [these people].” In a vision, a seraphim touched the mouth of one of these people with a piece of coal. One of these people was ordered to subsist on food baked with human dung and saw a valley of (*) dry bones come to life in a vision. Jeremiah is known as a “weeping” one of these people. One of these men who brought down fire from heaven in a showdown with the followers of Baal literally passed his mantle to his successor before riding a chariot of fire. For 10 points, name these people who relayed messages from God, including Isaiah and Elijah.

ANSWER: Jewish **prophets** (accept Jewish **seers**)

<Suh, Religion>

18. One variant of this title is held by Anya Corazon, who supervised Cindy Moon. The Inheritors fight an “army” of people with this title, including a drummer in a band with Betty Brant that kills her boyfriend when he becomes the Lizard. Alchemax geneticist Miguel O’Hara holds this title in 2099, as does the nephew of the Prowler. (*) Miles Morales and Gwen Stacy hold variants of this title while fighting people like the Vulture. The Green Goblin is an enemy of a notable holder of this title who works at the *Daily Bugle* under J. Jonah Jameson. For 10 points, name this superhero alter ego of Mary Jane’s boyfriend, Peter Parker.

ANSWER: **Spider-Man** (accept **Araña**, **Spider-Girl**, **Spider-Man 2099**, **Spider-Woman**, or **Spider-Gwen**; accept anything like **Spider-People** or **Spider-Men** that imply variants of the Spider-Man character)

<Yue, Trash>

19. **The speaker of a poem by this author is instructed by a voice singing “through the deep caves of thought.” That poem by this author describes a “sunless crypt unsealed,” and possibly references Wordsworth in its description of “a clearer note... than ever Triton blew.” In another poem, this author imagines giving the title object to “the god of storms, the lighting of the gale” and exclaims “ay, (*) tear her tattered ensign down!”** In a poem by this author, the title object brings a “heavenly message” and the speaker hears “Build thee more stately mansions, O my soul!” For 10 points, name this poet of “The Chambered Nautilus” and “Old Ironsides.”

ANSWER: Oliver Wendell Holmes, Sr.

<Gioia, American Literature>

20. **A modification to C named after these entities passes messages instead of calling methods. They’re not bytes or machines, but compilers turn source code into code named for these entities. The superclass of all Java classes is named for these entities. Calling a constructor creates these entities, as does using the keyword “new.” These entities are the instantiation of (*) classes.** Encapsulation conceals these entities’ information. Smalltalk and C++ [“C-plus-plus”] use a programming paradigm named for these entities, which emphasizes polymorphism and inheritance. For 10 points, name these entities around which languages like Java are “oriented.”

ANSWER: objects (accept Objective-C, object code, or object-oriented languages)

<Yue, Computer Science>

21. **The first international agreement concerning this technology was signed in Strasbourg in 1675. Clara Immerwahr may have killed herself after witnessing the use of this technology. The 1899 Hague Convention regulated this technology which was illicitly used by Spain during the Third Rif War. The Second Battle of (*) Ypres [“EEP-ruh”] saw the first mass use of a type of this technology. These weapons were banned in the Geneva Convention. P helmets were distributed to counter these weapons. Fritz Haber is considered to be the father of, for 10 points, what deadly weapons, examples of which are Agent Orange and mustard gas?**

ANSWER: chemical warfare (or chemical weapons; accept poison gas, mustard gas, or gas; prompt on poison)

<Laskin, European History>

Bonuses

1. This mathematician's namesake "cosmological theorem" states that all strings in the "look-and-say" sequence eventually decay to a combination of "common" and "transuranic" elements. For 10 points each:

[m] Name this prolific English mathematician. Patterns such as "blinkers" and "gliders" often arise in his namesake cellular automaton, "Game of Life."

ANSWER: John Horton **Conway**

[e] Conway also lends his name to a notation that "chains" these symbols together to express very large numbers. A "double-headed" one of these symbols is used to signify "if and only if."

ANSWER: **arrows**

[h] Conway's "moonshine theory" describes the relationship between modular functions and the monster [one of these objects]. These objects' namesake operation must satisfy closure and associativity properties, and they must have an identity element as well as inverse elements.

ANSWER: **groups**

<R. Li, Math>

2. Chinese energy magnate Ye Jianming gave one member of this family a 2.8 carat diamond in exchange for facilitating a \$40 million investment, which fell through after Ye was arrested for bribery. For 10 points each:

[m] Identify this family, whose member Hunter has been castigated for allegedly unscrupulous business deals. At a fundraiser, another member of this family infamously reminisced about working with segregationist senators.

ANSWER: **Biden**

[e] Hunter Biden has elicited scrutiny for his position on the board of Burisma Holdings, a natural gas production company based in this country. This country's president, Volodymyr Zelensky, resides in Kyiv.

ANSWER: **Ukraine**

[h] Joseph Maguire, the acting member of this position, withheld a whistleblower's complaint that President Trump asked Zelensky to investigate Joe Biden from Congress. Dan Coats was the previous holder of this position.

ANSWER: **Director of National Intelligence** (or **DNI**)

<R. Li, Current Events>

3. While wandering through the forest, the speaker of a Johann Wolfgang von Goethe ["GUR-tuh"] poem finds one of these objects "glistening" like stars which asks: "Shall I be gather'd / Only to fade?" For 10 points each:

[m] Name these objects. Novalis's novel *Heinrich von Ofterdingen* describes a blue one of these objects that served as a symbol of German Romanticism. William Carlos Williams wrote about "Asphodel, That Greeny [one of these objects]."

ANSWER: **flower**

[h] This German poet described a blue flower growing "at the cross-road" in his *Lyrisches Intermezzo*. This author depicted a dancing bear in *Atta Troll* and a golden-haired siren on the Rhine in *Die Lorelei*.

ANSWER: Heinrich **Heine**

[e] In *Lyrisches Intermezzo*, Heine repeatedly invokes the blue flower as belonging to this action. Young Werther takes this action with a pair of pistols supplied by Charlotte in a Goethe novel.

ANSWER: **suicide** (accept **killing oneself** or **shooting oneself**)

<R. Li, European Literature>

4. An economic policy this country pursued in the 1980s was dubbed “Rogernomics.” For 10 points each:
[m] Name this country where controversy arose in 1981 about whether or not to host the Springboks for rugby matches. This country was the first to grant women the right to vote in 1893.

ANSWER: **New Zealand** (or **Aotearoa**)

[e] The aforementioned controversy arose because the Springboks were the national rugby team of this country. In 1977, New Zealand signed the Gleneagles Agreement which denounced this country’s policy of apartheid.

ANSWER: **South Africa**

[h] This New Zealand Prime Minister during the rugby scandal came to power promising to lead a “government of the ordinary bloke.” This man championed “Think Big” industrial projects but left power amid a constitutional crisis in 1984.

ANSWER: Robert **Muldoon**

<Suh, World History>

5. The pentoxide of this element is a potent dehydrator used in organic chemistry. For 10 points each:

[m] Name this element which carries the positive charge in a ylide [“**IL-iiid**”] formed in the Wittig [“**VITTIG**”] reaction. While the white allotrope of this element is self-igniting, the red allotrope is not.

ANSWER: **phosphorus** (accept **P**)

[h] Phosphorus pentoxide dehydrates this functional group to form nitriles. This functional group has an important resonance structure in which the lone pair on nitrogen forms a partial double bond with the carbonyl carbon.

ANSWER: **amide**

[e] The phosphorus-containing compound hydroxyapatite comprises a majority of this organ. Malnutrition as well as menopause causes the density of this structural organ to decrease.

ANSWER: **bones**

<K. Li, Chemistry>

6. A Ravel opera about a clockmaker is named for a “Spanish” variety of these things, and they also name the “Waltz” in Act III of Leo Delibes’ ballet *Coppelia*. For 10 points each:

[h] Name these things that title the ballet in the Act III finale of Amilcare Ponchielli’s opera *La Gioconda*. That “Dance of [these things]” was popularized in Disney’s *Fantasia*.

ANSWER: **hours**

[e] Three melting clocks are prominently displayed alongside ants and a pocketwatch in this Spanish surrealist’s *The Persistence of Memory*.

ANSWER: Salvador **Dali**

[m] In *The Stranger*, this director plays a Nazi fugitive who is obsessed with clocks, finally being impaled by one at the end of the movie. That film was made by this director after *The Magnificent Ambersons* and *Citizen Kane*.

ANSWER: Orson **Welles** [“**wells**”]

<Yue, Other Arts>

7. Before this song plays, a character's observations of "singing" birds and "blooming" flowers outside are juxtaposed with his assertion that the player "should be burning in hell." For 10 points each:

[h] Name this 100th track on a certain game's soundtrack. While this song plays, a genocidal Frisk "[feels their] sins crawling on [their] back" as Sans repeatedly dodges their attacks.

ANSWER: "**Megalovania**"

[m] "Megalovania" is prominently featured on this game's soundtrack. In this critically-acclaimed Toby Fox-developed RPG, monsters such as Toriel, Undyne, and Papyrus populate the Underworld.

ANSWER: **Undertale**

[e] Sans and Papyrus are these types of creatures. These creatures drop bones and arrows when killed in *Minecraft*.

ANSWER: **skeletons**

<R. Li, Trash>

8. The Battle of Rocroi in this war marked the end of the dominance of Spanish military formations known as the *tercio*. For 10 points each:

[m] Name this war that originally started as a conflict between the various Protestant and Catholic states within the Holy Roman Empire until Gustavus Adolphus intervened in 1630.

ANSWER: **Thirty Years' War**

[e] England may have been inspired by a tactic that the Ottomans had used at the 1396 Battle of Nicopolis to win the Battle of Agincourt during this long war that lasted about a century.

ANSWER: **Hundred Years' War**

[h] The French military engineer Vauban and his Dutch counterpart Menno van Coehoorn ["**COO-horn**"] each defended and besieged the town of Namur during this conflict, also known by the alliance that opposed Louis XIV.

ANSWER: **Nine Years' War** (or War of the **Grand Alliance**; or War of the **League of Augsburg**)

<Suh, European History>

9. One play by this author ends with a character insisting she "doesn't know of any baby" as an "Echo" repeats her words. For 10 points each:

[h] Name this author of a play in which Devlin converses with Rebecca. Another play by this author of *Ashes to Ashes* features a picture of eleven cricket players and an improperly flushing toilet.

ANSWER: Harold **Pinter**

[m] In this play by Pinter, the two central characters clash over the phrase "light the kettle" before the title device relays instructions for Ben to kill Gus.

ANSWER: *The **Dumb Waiter***

[e] Pinter's *Betrayal* uses this narrative technique to examine Jerry and Emma's affair, as the first scene details their lunch seven years after they broke up, and the last scene details the start of their fling. A description is acceptable.

ANSWER: **reverse chronology** (accept descriptive equivalents, such as **backwards** in **time**)

<R. Li, British Literature>

10. Stephen Gould likened this theory of evolutionary biology to a rolling polyhedron. For 10 points each:
[m] Name this theory which arose from Ernst Mayr's idea of genetic revolutions and the founder effect. This theory states that the lack of transitional species in the fossil record is caused by species being in a state of stasis.

ANSWER: **punctuated equilibrium**

[e] Under punctuated equilibrium, this process occurs exclusively through cladogenesis rather than anagenesis. When this process occurs due to geographic separation, it is the allopatric type of this process.

ANSWER: **speciation**

[h] Gould pioneered the use of this term to refer to phenotypes such as umbilical brooding in snails. This architectural term refers to traits which arose as a byproduct of evolution rather than as an adaptation.

ANSWER: **spandrel**

<K. Li, Biology>

11. For 10 points each, furnish the following facts about fantastical fruits from folklore.

[e] The 11th labor of Heracles was to retrieve golden apples of the Hesperides ["hehs-PARE-ih-deez"]. Hippomenes ["hih-POE-muh-neeZ"] used three of these fruits to distract Atalanta during a race, winning the competition and her hand in marriage.

ANSWER: golden **apples**

[m] In Chinese mythology, deities gain immortality by eating these fruits from a tree that only produces them every 6,000 years.

ANSWER: **peaches**

[h] In Polynesian mythology, Maui ["MAO-ee"] created the first one of these fruits by killing an eel that had harassed his wife and burying its head in the ground, where it sprouted into a tree.

ANSWER: **coconuts**

<Duffy, Mythology>

12. This type of fluid motion is difficult to model due to its immense complexity. For 10 points each:

[e] Name this type of flow which is characterized by chaos and unstable vortices caused by the kinetic energy of a fluid overcoming the damping force. This type of flow can cause a bumpy flight experience.

ANSWER: **turbulent** flow (accept **turbulence**)

[m] It's not laminar, but when the Reynolds number is extremely low, this type of flow occurs. The equations of motion for this type of flow are generated by linearizing equations named for Navier and this scientist

ANSWER: **Stokes** flow

[h] Boundary layers, which were identified by this scientist, break down more quickly when they are laminar. This scientist's namesake number is the ratio of kinematic viscosity to thermal diffusivity.

ANSWER: Ludwig **Prandtl**

<K. Li, Physics>

13. This composer was inspired by the *Kalevala* to write symphonic poems like *Kullervo* and “The Swan of Tuonela.” For 10 points each:

[e] Name this Finnish composer, perhaps best known for his symphonic poem “Finlandia.”

ANSWER: Jean **Sibelius**

[h] This C-major Sibelius piece unusually consists of a single movement. It contains a heroic theme first announced by the trombone which is named for Aino, his wife.

ANSWER: **Symphony** No. **7** (or **seventh symphony**; accept Op. **105**)

[m] Sibelius’s work of this type has its string soloist enter after only four measures. Its third movement was called a “polonaise for the polar bears,” and like popular works of this type by Beethoven and Tchaikovsky, it ends in D major.

ANSWER: **violin concerto** (prompt on **concerto**)

<Yue, Music>

14. This place was the site of the 1826 Christmas Eggnog Riot involving Jefferson Davis, while George Custer chalked up a record 726 demerits at this place. For 10 points each:

[e] Name this place, originally a fort, that Benedict Arnold tried to hand over to the British during the Revolutionary War. It is now the site of the United States Military Academy.

ANSWER: **West Point**

[m] This man testified before a Congressional inquiry on hazing at West Point and graduated at the top of his class in 1903. This man met with President Truman at the Wake Island Conference before being replaced in one command by Matthew Ridgway.

ANSWER: Douglas **MacArthur**

[h] This man nicknamed “Vinegar Joe” is credited with introducing basketball to West Point. During World War II, this general served under Chiang Kai-shek and often clashed with Claire L. Chennault’s “Flying Tigers.”

ANSWER: Joseph **Stilwell**

<Suh, American History>

15. One of this author’s title characters contends that the modern meat industry “rivals anything that the Third Reich was capable of” during the annual Gates Lecture at Appleton College. For 10 points each:

[m] Name this author whose aforementioned title character reimagines *Ulysses* from Molly Bloom’s perspective in *The House on Eccles Street*. The Magistrate confronts Colonel Joll in this author’s *Waiting for the Barbarians*.

ANSWER: J. M. **Coetzee** (or John Maxwell **Coetzee**)

[e] Coetzee’s *Waiting for the Barbarians* derives its title from a poem by Constantine Cavafy, who wrote in the “modern” variant of this language. Works composed in the “ancient” tradition of this language include *The Odyssey*.

ANSWER: **Greek**

[h] In another Cavafy poem titled “The God Abandons [this character],” the speaker entreats the addressee to “say goodbye... to the Alexandria you are losing.” In another work, this character claims that he has “come to bury [his friend], not to praise him.”

ANSWER: Marc **Antony** [*Writer’s note*: The second work is Shakespeare’s *Julius Caesar*.]

<R. Li, World Literature>

16. This faction's name derived from a term meaning "cattle driver" that was later applied to Presbyterian rebels. For 10 points each:

[h] Name this group that emerged during the Exclusion Crisis under the leadership of the Earl of Shaftesbury. They title a school of historiography that views history as a march of progress towards greater liberty and enlightenment.

ANSWER: **Whigs**

[m] From the 17th to the early 19th century the Whigs were mainly opposed by this party, the ancestor of the modern Conservative party. Leaders of this party included William Pitt the Younger and the Duke of Wellington.

ANSWER: **Tory** party (accept **Tories**; do NOT accept or prompt on "Conservative")

[e] Both Whigs and Tories served in this leadership position, which today is the head of government of Britain. Robert Walpole is considered the first to hold this position, and the current holder is Boris Johnson.

ANSWER: **Prime Minister**

<L. Li, British History>

17. A sculpture in the Tate Modern of a 30-foot-tall spider is made out of this material. For 10 points each:

[h] Name this material used by Louise Bourgeois in her sculpture *Maman*. Sculptures by Jeff Koons like *Rabbit* were made with this material.

ANSWER: stainless **steel**

[m] This British-Indian sculptor created the iconic bean-shaped stainless-steel *Cloud Gate* in Chicago's Millennium Park.

ANSWER: Anish **Kapoor**

[e] A Portuguese tourist was injured after falling into Anish Kapoor's *Descent into Limbo*, a hole painted with an extremely intense form of this color. Kapoor has exclusive rights to that "vanta" form of this color.

ANSWER: **black** (accept **vantablack**)

<Omer, Sculpture>

18. According to Gene Sackett, the controversial experiments conducted by this doctoral adviser of Abraham Maslow were the impetus for the animal liberation movement. For 10 points each:

[h] Name this psychologist who studied the effects of maternal separation in animals using "surrogate" mothers made from wire and wool.

ANSWER: Harry **Harlow** (or Harry **Israel**)

[e] Harlow changed his last name from Israel while studying at this university under Lewis Terman, the creator of an intelligence scale named for this university and Alfred Binet. Philip Zimbardo conducted a "prison" experiment at this school.

ANSWER: **Stanford** University

[m] Harlow exclusively used these mammals to conduct his controversial experiments.

ANSWER: **monkeys** (accept rhesus **monkeys**)

<Suh, Psychology>

19. The main hall of these places is called the Darbar Sahib. For 10 points each:

[h] Name these places where anyone can receive a free meal in the *langar* hall. Five of the most special ones of these places are called the Panj Takht.

ANSWER: **gurdwara** (accept but do NOT REVEAL **Sikh temples**)

[e] *Gurdwaras* are the places of worship in this religion, whose members adhere to the Five Ks.

ANSWER: **Sikhism** (or **Sikhi**)

[m] One of the Five Ks, Kesh, is the rule that Sikhs must maintain this physical condition, which is partially to imitate the appearance of Guru Gobind Singh.

ANSWER: **uncut hair** (accept clear-knowledge equivalents; prompt on **long hair**)

<Suh, Religion>

20. This poem opens by quoting both Cornelius Agrippa's *Occult Philosophy* and a Ralph Waldo Emerson poem about "a tumultuous privacy of Storm." For 10 points each:

[h] Name this nineteenth-century poem subtitled "A Winter Idyll," which depicts a family telling stories by the fireplace to wait out a New England blizzard.

ANSWER: **Snow-Bound**: *A Winter Idyl*

[m] Many years after John Greenleaf Whittier's *Snow-Bound*, this poet wrote that "One must have a mind of winter / To regard the frost and boughs" in "The Snow Man." That poem was featured in his collection *Harmonium*.

ANSWER: Wallace **Stevens**

[e] The "sweep / Of easy wind and downy flake" is described in this other American poet's poem "Stopping by Woods on a Snowy Evening." He also wrote "The Road Not Taken."

ANSWER: Robert **Frost** (or Robert Lee **Frost**)

<Yue, American Literature>

21. This ruler built a sadistic torture chamber designed to look like a beautiful palace. For 10 points each:

[m] Name this Mauryan emperor who later converted to Buddhism and inscribed namesake edicts describing his thoughts on the religion onto pillars.

ANSWER: **Ashoka** the Great

[h] Ashoka converted to Buddhism after his conquest of this West Indian kingdom supposedly resulted in hundreds of thousands of casualties. The war against this kingdom was the final phase of Mauryan military expansion.

ANSWER: **Kalinga** (accept **Kalinga** War)

[e] After his conversion to Buddhism, Ashoka sent monks to spread Buddhism to this island off the southern coast of India. This country was historically known as Ceylon.

ANSWER: **Sri Lanka**

<Duffy, World History>