

2022 SHOW-ME

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Packet 11

1. A location in [emphasize] *this state* simply called “The Lake” is near the Bethesda Fountain and the Ramble. Lake Tear of the Clouds is on the slopes of this state’s highest point, Mount Marcy. This is the larger of two states with sightings of a giant serpent named Champ in a lake drained by the Richelieu River. The “Miracle on Ice” at the 1980 Olympics was held near Lake (*) Placid in this state. The largest lake within this state, Oneida [OH-nye-duh] Lake, is nicknamed the “thumb” of its Finger Lakes region. This state, the only to border Lake Ontario, shares Lake Champlain with its eastern neighbor, Vermont. For 10 points, name this state where the Hudson River connects to the Erie Canal.

ANSWER: **New York** State (The first line refers to New York City’s Central Park)

<Geography — Andrew Gao> [Ed. Ganon Evans]

1. A 1950’s scare in the USSR centered on a “plot” of Jewish men with this profession accused of killing party officials like Andrey Zhdanov. For 10 points each:

[E] Ivan Pavlov studied digestion in dogs while working in what profession?

ANSWER: **doctors** [accept the **Doctor**’s Plot; accept **physicians**; accept **psychologists**; accept **physiologists**; accept **medicine**; accept word forms for fields such as **psychology**; prompt on **professors**]

[M] In his writings, this Jewish head of the Red Army called out “a new Soviet variety” of antisemitism. This founder of the Fourth International was assassinated with an ice pick while in exile in Mexico.

ANSWER: Leon **Trotsky**

[H] Pogroms and religious persecution lead many Soviet Jews to immigrate to Israel, an action designated by this Hebrew term. The Law of Return promotes this action which translates to “the act of going up.”

ANSWER: **aliyah**

<European History — Ganon Evans> [Ed. Louis Li]

2. This empire’s Periwig Era saw its strong currency deter trade, coining the name for an economic “disease.” The term *rangaku* referred to books sold by this empire’s traders on the island of Dejima near Nagasaki. This empire’s navy relied on the fluyt and included ships called Sea Beggars. This empire was home to the (*) VOC, the most valuable company of all time. The first stock markets emerged in this empire whose economy experienced a bubble from tulip trading. Land reclamation projects begun in this empire created polders and were drained by now-iconic windmills. For 10 points, name this empire that was centered in Holland.

ANSWER: **Dutch** Empire [or the **Netherlands**; or the **Dutch** Republic; or the United Provinces of the **Netherlands**; or the **United Provinces**; or the Republic of the Seven United **Netherlands**; or the Kingdom of the **Netherlands**; or **Nederlands**; accept the **Dutch** East India Company; accept **Dutch** Learning; accept **Dutch** disease; prompt on **Holland** before mention]

<European History — Ganon Evans> [Ed.]

2. The molar form of this quantity is equal to $3R$ for most solids according to the Dulong Petit law. For 10 points each,

[M] Name this quantity defined as the amount of energy that needs to be added for an object's temperature to increase by one degree.

ANSWER: **heat capacity** [accept **specific heat** capacity]

[H] The ratio of the heat capacity at constant pressure and heat capacity at constant volume gives an "index" described by this term. In this type of thermodynamic process, there is zero heat exchanged.

ANSWER: **adiabatic** [AY-dee-uh-BAT-ick] [accept **adiabatic** process or **adiabatic** index]

[E] An adiabatic process has a constant value for pressure times this quantity to the power of the adiabatic index. This quantity can be expressed in meters cubed or liters.

ANSWER: **volume** [or **V**]

<Physics — Vincent Wang> [Ed.]

3. **One character in this play states that his wife is a "sensitive-plant" after acknowledging she clings onto a coat he owns with twelve bullet holes in it. That character in this play also complains about the lack of nighttime and his missing toothbrush. Another character in this play is summoned by the sound of a (*) faulty bell, and lacks eyelids. While stroking a bronze ornament in a Second Empire-style room, one character in this play declares "Hell is - other people!"** For 10 points, name this play about Estelle, Garcin [gar-SAN], and Inez [ee-NESS], written by Jean-Paul Sartre [SAR-truh].

ANSWER: **No Exit** [or **Huis Clos**] (The character who lacks eyelids is the valet.)

<Drama — Danny Peelen> [Ed. Joel Miles]

3. This leader's government urged nationals to leave Iran after a couple was accused of inciting protests for its secret service. For ten points each:

[M] Name this leader of En Marche, who was accused of hypocrisy by Iran for his management of the Yellow Vests protests. This president defeated Marine Le Pen to win re-election in 2022.

Answer: Emmanuel **Macron**

[H] Macron showed solidarity for protests over the September 2022 death of this woman. This woman fell into a coma after being detained by Iran's "morality police."

ANSWER: **Mahsa Amini** [accept either underlined portion]

[E] Mahsa Amini was arrested for improperly wearing one of these pieces of clothing, which are mandatory for Iranian women. Marine Le Pen advocated for a nationwide ban of these Islamic headscarves.

ANSWER: **hijabs**

<Current Events — Connor Lee> [Ed.]

4. **The duty cycle is equal to pulse width over one form of this quantity. Resistance times capacitance gives a constant named after this quantity. Crystal oscillators measure this quantity and frequently use piezoelectric materials such as quartz. Faraday's law states that the electromotive force is equal to the derivative of electric flux with (*) respect to this quantity. Electric current is defined as the derivative of charge with respect to this quantity. The change in position over the change in this quantity is equal to velocity. For 10 points, name this quantity frequently measured in seconds.**

ANSWER: **time** [accept **period**]

<Physics — Vincent Wang> [Ed.]

4. Standards originally composed by this musician include the “King Porter Stomp” and “Dead Man’s Blues.” For 10 points each:

[H] Name this leader of the Red Hot Peppers who claimed to have invented jazz in an interview with Alan Lomax. The title of a Broadway show about this musician’s “Last Jam” puns on his nickname.

ANSWER: **Jelly Roll Morton** [accept either underlined; or Ferdinand Joseph La **Menthe**]

[M] Jelly Roll’s jazz emerged in part from improvising on songs in this genre like the “Maple Leaf.” Player pianos often play a 1902 song in this genre called “The Entertainer.”

ANSWER: **ragtime** [accept the “Maple Leaf **Rag**”]

[E] During an interview with Lomax, Jelly Roll and this musician bickered over scat singing with this artist explaining his song “Heebie Jeebies.” This trumpeter who led the Hot Five sang “What a Wonderful World” in a gravelly voice.

ANSWER: Louis **Armstrong** [accept **Satchmo**; accept **Pops**]

<Other Fine Arts — Ganon Evans> [Ed.]

5. A TikTok clip features this actress in a blue dress saying “Smile!” before she takes a photo with a bedazzled camera. This actress played a character who picks up a bottle of medicine instead of morphine during a game of go. A hologram played by this actress asks “You look lonely, I can fix that” to Ryan Gosling’s synth in *Blade Runner: 2049*. A caretaker portrayed by this actress (*) vomits every time she lies and is stabbed with a retractable knife by Ransom. This actress played Marilyn Monroe in the controversial film *Blonde* and played Paloma in the Bond film *No Time to Die*. For 10 points, name this Cuban actress who starred in *Knives Out*.

ANSWER: Ana de **Armas**

<Pop Culture — Ganon Evans> [Ed.]

5. This author’s frequent censorship led him to develop a meticulous writing style he called “the right word.” For 10 points each:

[E] Name this French author who outraged censors with an infamous carriage scene between Léon Dupuis and the title adulterer in his novel *Madame Bovary*.

ANSWER: Gustave **Flaubert**

[M] In a Julian Barnes novel, a doctor searches for a stuffed one of these animals that inspired Flaubert’s writing. One of these animals named after the dead Captain Flint is owned by Long John Silver in *Treasure Island*.

ANSWER: **parrot** [accept *Flaubert’s Parrot*; prompt on birds]

[H] While Flaubert wrote only about two pages a day, this author outlined his entire novel *Tropic of Cancer* in a single night. Works by this author, such as his trilogy *The Rosy Crucifixion*, were often banned for obscenity.

ANSWER: Henry **Miller**

<Long Fiction — Ganon Evans> [Ed. Joel Miles]

6. An ascending theme in this work is first stated in B minor, where it ends with the notes [read slowly] “A G E C E long G.” A flute plays [read slowly] “B, G-sharp, F-sharp, E” and ascends to B in one piece of this work, while another featuring the triangle depicts “Anitra’s Dance.” An E major piece in 6/8 time from this work depicts the sun rising over a desert and is called (*) “Morning Mood.” Increasingly fast and loud cellos, bassoons, and double basses represent trolls chasing the protagonist of this work in its piece “In the Hall of the Mountain King.” For 10 points, name this collection of incidental music to a Henrik Ibsen play composed by Edvard Grieg.

ANSWER: **Peer Gynt** [accept the **Peer Gynt** Suites; accept the incidental music to **Peer Gynt**; prompt on “Morning Mood” or “In the Hall of the Mountain King” before mention]

<Auditory Fine Arts — Ganon Evans> [Ed.]

6. Answer the following about Admiral Yi Sun-sin, for 10 points each:

[M] Admiral Yi led the navy of Joseon Korea against the invading forces of this Japanese leader, a “Great Unifier” who was succeeded by Tokugawa Ieyasu.

ANSWER: **Toyotomi Hideyoshi** [accept **Hashiba** Hideyoshi; accept any underlined part and names in either order]

[H] Admiral Yi invented a type of warship named after this animal, whose deck was covered in hexagonal armor plates and studded with iron spikes.

ANSWER: **turtle** ship [or **gwiseon**; or **geobukseon**]

[E] Admiral Yi’s ships supplemented their cannons with devices known as *hwachas* which launched these projectiles using rockets. They are more commonly fired from a bow.

ANSWER: **arrows**

<World History — June Yin> [Ed. Ganon Evans]

7. A precursor to this city was founded by Ascanius after his father fought Turnus and married Lavinia, and was named Alba Longa. A layered shield depicting this city’s history was owned by a hero who was advised by his father Anchises in the underworld. This city’s location was decided in an augury contest over who could count more auspicious birds. A (*) she-wolf suckled the sons of Rhea Silvia who would found this city.

After a hero leaves to begin this city’s legacy, queen Dido commits suicide in Virgil’s *Aenied*. Remus was killed by a twin who names, for 10 points, what city whose civilization worshiped gods like Mars and Jupiter?

ANSWER: **Rome** [accept the **Romans**; prompt on **Romulus**]

<Mythology — Ganon Evans> [Ed.]

7. Sometimes conventions differ between math and physics. For 10 points each:

[E] Unlike mathematicians, physicists often place one of these symbols above a variable to indicate its time derivative. It’s not an “x”, but this symbol is interchangeable with the multiplication sign.

ANSWER: **dot** [or **flyspeck**; accept **point** and equivalents; accept **dot** notation and **flyspeck** notation]

[M] In this 3-D coordinate system that includes both a polar angle and an azimuthal [AZ-uh-MUH-thul] angle, mathematicians use theta [THAY-tuh] as the azimuthal coordinate, while physicists use phi [fai].

ANSWER: **spherical** coordinate system [or **spherical** coordinates]

[H] Mathematicians denote these objects with a single letter, while physicists write out all of their indices. These objects, which generalize matrices and vectors, can be represented as multidimensional arrays.

ANSWER: **tensors**

<Math — Vincent Wang> [Ed. June Yin]

8. This tribe had a White Chief that ruled in peacetime and a Red Chief that ruled in wartime. After fighting the Red Sticks in the Battle of Horseshoe Bend, a disabled member of this tribe devised a syllabary with 86 symbols. The Phoenix newspaper catered to this tribe, whose language was made legible by (*) Sequoyah. This tribe’s chief John Ross did not approve of signing the Treaty of New Echota, which occurred after this tribe’s sovereignty was defended by Samuel Worcester in an 1832 Supreme Court case. For 10 points, name this largest of the “Five Civilized” tribes who were forced to abandon their lands in Georgia during the Trail of Tears.

ANSWER: **Cherokee** [or **Tsalagi**]

<American History — Ganon Evans> [Ed. Louis Li]

8. In some sects of Buddhism, priests chant the Heart Sutra and shake a shakujo staff to perform this process towards maras. For 10 points each:

[E] Name this action Jesus performs towards a group of demons called Legion, expelling them from a possessed man.

ANSWER: **exorcism** [accept word forms such as **exorcising**]

[M] Hindu priests chant a hymn to this deity to dispel demons. This most loyal devotee of Rama set the city of Lanka on fire after Ravana ignited his monkey tail.

ANSWER: **Hanuman** [or the **Hanuman** Chalisa]

[H] Sheikhs will recite the Throne Verse and sprinkle water from this specific location to deter Iblis. During the hajj, pilgrims walk between Safa and Marwah to replicate Hajar's discovery of this location.

ANSWER: **Zamzam** Well

<Religion — Ganon Evans> [Ed.]

9. One poem describes how this figure “broods with warm breast and with ah! bright wings.” The narrator asks this figure to “divorce me, untie or break that knot again” in a poem addressed to this figure. Gerard Manley Hopkins wrote a poem about the grandeur of this figure. One sonnet begins by asking this figure to (*) “batter my heart.” In one work, this figure *defeats* a character who holds a meeting in Pandemonium. That work, which was written to “justify the ways of [this figure] to man,” is John Milton’s *Paradise Lost*. For 10 points, name this figure who banished Satan from Heaven.

ANSWER: **God** [accept “**God**’s Grandeur” or “Batter my heart, three-person’d **God**”; accept the **Son** or **Jesus Christ**; prompt on “the **Holy Trinity**”]

<Poetry — Joy An> [Ed. Joel Miles]

9. Answer the following about ways to keep rhythm in world music. For 10 points each:

[E] In Carnatic music from India, ragas form melodies while talas measure rhythm, similar to this Western musical construct consisting of beats grouped into bars and labeled with time signatures.

ANSWER: **meter**

[M] A rhythm called a maqsum guides performers of this dance, who play finger cymbals called zils. Performers of this Egyptian dance perform shimmies and shivers and focus movement on their hips and midsection.

ANSWER: **belly dancing** [accept word forms like the **belly dance**; or **Raks**; or **Raas Baladi**]

[H] Kendangs play the rhythm for kecaks [keh-chaks], musical dramas performed by these percussive ensembles of Indonesia. Music from these ensembles were incorporated into Erik Satie’s *Gnossiennes*.

ANSWER: **gamelan**

<Auditory Fine Arts — Ganon Evans> [Ed.]

10. Alexander Bacot discovered how one bacterium colonized the midgut of these organisms, thus encouraging transmission via regurgitation. Pulicosis is a condition that results from the bites of these organisms which also transmit murine typhus. These wingless organisms use their pleural arches and resilin hinges to (*) leap over 200 times their body length. An allergic dermatitis named for these ectoparasites is the leading cause of dog allergic reactions. A condition transmitted by these insects inflames lymph nodes, forming buboes. For 10 points, rats colonized by what blood-sucking insects transmit bubonic plague?

ANSWER: **fleas** [or **Siphonaptera**; accept dog **fleas** or **Ctenocephalides canis**; accept cat **fleas** or **Ctenocephalides felis**; accept rat **flea** or oriental rat **flea** or **Xenopsylla cheopis**; accept human **flea** or house **flea** or **Pulex irritans**]

<Biology — Kevin Thomas> [Ed. Ganon Evans]

10. For 10 points each, answer the following about poetry related to V.S. Naipaul:

[H] In Naipaul's *Miguel Street*, a character based on this poet is writing the "greatest poem in the world," one line per month. The "Hermit sits alone" in his "cave, where by his fire" in a poem by this poet.

ANSWER: William **Wordsworth** [accept B. **Wordsworth**]

[E] Mr. Biswas, who is learning the poem "Bingen on the Rhine," continually tries to build one of *these structures* so he can live apart from the Tulsi family in a Naipaul novel.

ANSWER: **house** [accept *A House for Mr. Biswas*]

[M] A poem titled "The Mongoose" criticizing Naipaul's fiction as "dead" is by Derek Walcott, who wrote about the "Koenig of [one of these features]." In a Naipaul novel, Salim lives near one of these features in a country ruled by the "Big Man."

ANSWER: **river** [accept "Koenig of the **River**"; accept *A Bend in the River*]

<Mixed Literature — Andrew Gao> [Ed. Joel Miles]

11. **The left side of a painting by this artist depicts eyes and a nose above the mouth of Hell, out of which several monsters are escaping. A work by this artist shows a giant woman carrying a skillet through a burning village. One of this man's paintings originally titled *The Blue Cloak* depicts peasants doing things like sitting on hot coals and tying a bell to a cat. This artist of *Mad Meg* painted a work that shows a (*) frozen water wheel and a man carrying a fox, as well as ice skaters on the right and the title people walking through the forest surrounded by dogs.** For 10 points, name this Dutch artist of *Netherlandish Proverbs* and *Hunters in the Snow*.

ANSWER: Pieter **Bruegel** the Elder

<Visual Fine Arts — Braden Booth> [Ed. Gabe Forrest]

11. In early 2020, the CDC investigated an outbreak of EVALI, a condition associated with doing this action with THC. For 10 points each:

[E] Name this action, often done using a vape or cigarette, which can damage the cells that line the lungs.

ANSWER: **smoking** [accept **smoking** cigarettes or e-cigarettes]

[H] EVALI, or e-cigarette or vaping use-associated lung injury, was found to be caused by this vitamin's acetate. Alpha-tocopherol is the most prevalent form of this vitamin, which fights free radicals and is found in plant oils.

ANSWER: vitamin **E**

[M] In rare cases, EVALI can lead to the diffuse hemorrhage of these cavities in the lungs. These tiny air sacs help facilitate the diffusion of oxygen into capillaries.

ANSWER: **alveoli** [or **alveolus**; accept diffuse **alveolar** hemorrhage]

<Biology — Rachel Ezrielev> [Ed.]

12. **Rangoli carpets made of these objects are popular during the Onam festival. Earth, humanity, and heaven are unified by these objects in *ikebana*. Victorian society developed a "language" of these objects to express unspoken feelings such as virtue and chastity. Crescent, cascading, and nosegay are three ways to arrange these objects, which are bound by doilies. These objects name wheel-like (*) windows that appear in Gothic churches. Boutonnieres and corsages containing these objects are worn at weddings, where brides traditionally carry a bouquet of them.** For 10 points, name these objects that include daffodils and carnations.

ANSWER: **flowers** [accept specific types of flowers such as **roses**; accept **daffodils** and **carnation** before they are read; accept **hana**; accept **pookolam**; prompt on **bouquet** before mention with "A bouquet of what?"]

<Other Fine Arts — Vincent Wang> [Ed. Ganon Evans]

12. Terrance Hayes created a poetic form named for this location, in which the last word of each line of a poem forms a second, pre-existing poem. For 10 points each:

[H] Name this location in which seven pool players “lurk late” and “strike straight.”

ANSWER: The **Golden Shovel**

[M] This American poet wrote “THE POOL PLAYERS. SEVEN AT THE GOLDEN SHOVEL.” in her poem, “We Real Cool.”

ANSWER: Gwendolyn **Brooks**

[E] Gwendolyn Brooks was a poet from Chicago, a city this poet described as “the hog butcher of the world.” This poet describes “little cat feet” bringing the title weather in his poem “Fog.”

ANSWER: Carl **Sandburg**

<Poetry — Neal Joshi> [Ed. Ganon Evans]

13. **Apophis is the only one of these objects to attain a Torino rating above level 2. One of these objects experienced a 32-minute decrease in its orbital period in September 2022. Arrokoth is an example of the “contact binary” type of these objects. When these objects orbit a Lagrange point, they are called trojans. The (*) DART mission sent a probe to impact one of these objects. “Near-Earth” examples of these objects are monitored due to a possible need for deflection. A region between Mars and Jupiter is named after, for 10 points, what small, rocky objects that make up a namesake “belt”?**

ANSWER: **asteroids** [accept the **asteroid** belt; prompt on minor planets; reject “dwarf planets”]

<Astronomy — Connor Lee> [Ed.]

13. Answer the following about the Reynolds affair, for 10 points each:

[E] The Reynolds affair was an early sex scandal involving Maria Reynolds and this Secretary of the Treasury under George Washington. This man was killed in a duel with Aaron Burr.

ANSWER: Alexander **Hamilton**

[H] Angelica claims Hamilton “invented a new kind of stupid / a damage you can never undo kind of stupid” in a deleted song with this name. The chorus repeats “My momma called, seen you on TV, son” in a song with this name.

ANSWER: **congratulations** [reject “congratulation”]

[M] The song “Congratulations” in *Hamilton* refers to him “[dignifying] school-yard taunts with a response” by publishing one of these texts. Another of these texts opens with the line “These are the times that try men’s souls.”

ANSWER: **pamphlets** [accept Reynolds **pamphlet**] (the unnamed work is Common Sense by Thomas Paine)

<Other — Andrew Gao> [Ed. Ganon Evans]

14. **A “Hail Mary” formation was used against this leader in battles like 73 Easting. This leader ordered the Dujail Massacre after an attempted assassination in 1982. This leader’s Osirak nuclear reactor was destroyed in Operation Opera; that attack may have encouraged this leader to fire 42 Scud missiles toward Israel during another conflict. One of this leader’s top generals was nicknamed (*) “Chemical Ali,” whose Al-Anfal campaign massacred thousands of Kurds. During Operation Red Dawn, this leader was found in a “spider hole” near the town of Tikrit after being accused of possessing WMDs. For 10 points, name this Ba’athist dictator of Iraq.**

ANSWER: **Saddam Hussein** al-Tikriti [accept either underlined portion]

<World History — Connor Lee> [Ed. Louis Li]

14. Like the rest of this set, sometimes unusual sentences have meaning. For 10 points each:

[M] Repeating this word many times in a row forms a complete sentence, as it can refer to either a large land mammal, a city in New York, or a verb meaning “to baffle.”

ANSWER: **buffalo**

[H] This 20th-century philosopher used the paradoxical sentence “The present king of France is bald” to prove that descriptions do not need to reference real things.

ANSWER: Bertrand **Russell** [or Bertrand Arthur William **Russell**, 3rd Earl Russell]

[E] A Groucho Marx joke can be read as either the speaker or an elephant wearing these clothes. Onesies are an example of some of this broad class of clothes that people wear to bed.

ANSWER: **pajamas** [or **PJs**; or **jammies**; or **jam-jams**; or **nightwear**; or **nightgowns**]

<Other — June Yin> [Ed. Ganon Evans]

15. In this novel, a father tries to sell his artificial leg so he can feed his kids. During a soccer game in this novel, a couple is stoned to death in chest-deep holes for committing adultery. In “a way to be good again,” a character in this novel adopts Sohrab before returning to San Francisco. A man shouts “For you a (*) thousand times over!” while performing this novel’s title activity with shards of glass and a spool. This novel’s protagonist witnesses Hassan, being raped by Assef while completing the title action after a tournament. For 10 points, name this novel about Amir’s return to Taliban-ruled Afghanistan, by Khaled Hosseini.

ANSWER: *The **Kite Runner***

<Long Fiction — Aatreyo Bhattacharyya> [Ed. Ganon Evans]

15. Bullseye patterns on varieties of this good from pontil marks were incorporated into a style of it named for crowns. For 10 points each:

[H] Name this good, types of which like cristallo and lattimo were produced on the island of Murano so that fires wouldn’t damage Venice’s wooden buildings.

ANSWER: **glass** [accept word forms such as **glasswork**; accept crystal **glass**; accept crown **glass**]

[M] Charles IV imported Murano artisans to kickstart this city’s industry of “forest glass.” The Hussite Wars and the Thirty Years’ War both began with people being thrown out of windows in this city.

ANSWER: **Prague** [or **Praha**; accept Defenestrations of **Prague**]

[E] George Ravenscroft mass-produced crystal glasses made with this element instead of calcium. Historians believe trace amounts of this element in pipes, paint, and other household goods is a historical cause of mental disabilities.

ANSWER: **lead** [or **lead** crystal glass; accept **Pb**]

<European History — Ganon Evans> [Ed. Louis Li]

16. This philosopher imagined walking inside a thinking machine as if it were a mill to argue that physical mechanisms cannot explain human consciousness. This non-Democritus thinker proposed shapeless units of reality which each have different qualities, with the soul consisting of a dominant one of those units. In his *Théodicée*, this philosopher attempted to solve the problem of evil by stating that we live in the (*) “best of all possible worlds.” This author of *Monadology* devised the modern notation for mathematical derivatives. For 10 points, name this German polymath who invented calculus independently of Isaac Newton.

ANSWER: Gottfried Wilhelm **Leibniz** [LYBE-nits]

<Philosophy — June Yin> [Ed. Joel Miles]

16. For 10 points each, answer the following about fountains in modern art:

[E] Constructivist sculptor Naum Gabo designed *Revolving Torsion*, a fountain located on the grounds of St. Thomas' Hospital in this city. Two fountains flank Nelson's Column in this city's Trafalgar Square.

ANSWER: **London**

[M] Marcel Duchamp's *Fountain* consists of an ordinary urinal displayed as art. The everyday nature of the urinal is typical of this series of Duchamp works, other examples of which include *Prelude to a Broken Arm*.

ANSWER: **readymades**

[H] Alexander Calder designed a fountain flowing with mercury for display at a 1937 exhibition of this painting. In 1974, Tony Shafrazi vandalized this painting with spray paint in protest of William Calley's release from prison.

ANSWER: **Guernica**

<Visual Fine Arts — Joel Miles> [Ed. Gabe Forrest]

17. **This leader denounced the Five Black Categories, which included “rich peasants” and “rightists.” This leader began political campaigns with photoshoots of himself crossing a river. This leader temporarily encouraged criticism in the Hundred Flowers Movement, and caused a famine attempting to eradicate (*) sparrows in the Four Pests campaign. This leader promoted steel-making communes in the Great Leap Forward. This leader oversaw the Cultural Revolution and published many of his writings in *The Little Red Book*.** For 10 points, name this former Chairman of the People's Republic of China.

ANSWER: **Mao** Zedong [or **Mao** Tse-Tung]

<World History — Connor Lee> [Ed. Louis Li]

17. You are a TA catching cheaters in a computer science class. For 10 points each:

[E] You sigh as you see multiple assignments with identical code, but with different names given to these storage units of data. These things may have to be declared before standing in for a value.

ANSWER: **variables**

[M] A few students use their real names as they post problems to a programming help site named for this occurrence. Infinite recursion often causes this occurrence in which memory is exceeded, leading to a crash.

ANSWER: **stack overflow**

[H] You easily catch cheaters using MOSS, a script compatible with this Bell Labs-created operating system. C was developed for this operating system that has a philosophy of easy-to-understand, accessible code.

ANSWER: **Unix** [reject “Linux”]

<Computer Science — Ganon Evans> [Ed.]

18. **One of these people was spared to tell of an event recognized by all-night study of the Torah on Shvi'i Shel. Yochnan ben Zakai argued that God took away one of these people's free will by “hardening [his] heart.” One of these people dreams of seven lean cows eating seven fat cows, which is interpreted as a sign to stock grain by (*) Joseph. A baby set adrift down a river to escape an order from one of these people to kill all newborn children. One of these people's soldiers were drowned in the Red Sea after it was earlier parted by Moses.** For 10 points, Exodus describes the Jews escaping the rule of what leaders of ancient Egypt?

ANSWER: **pharaohs** [prompt on **Kings** of Egypt; prompt on **rulers** of Egypt; prompt on **Egyptians**]

<Religion — Ganon Evans> [Ed.]

18. One of these works describes how the title concept “dwells with... Joy, whose hand is ever at his lips.” For 10 points each:

[H] Name these works, one of which urges the reader to “go not to Lethe [“LEE-thee”].” Another of these works asks “what pipes and timbrels? What wild ecstasy?”

ANSWER: **odes** by John **Keats**

[M] This ode by John Keats describes how Ruth “stood in tears amid the alien corn.” In this poem, the narrator tells the title “light-winged Dryad of the trees” that “thou wast not born for death.”

ANSWER: “**Ode to a Nightingale**” [reject “Ode on a Nightingale”]

[E] In his “Ode to Melancholy,” Keats writes that melancholy “dwells with [this concept]--[this concept] that must die.” In his “Ode on a Grecian Urn,” Keats equates this concept, which is studied in aesthetics, to truth.

ANSWER: **beauty**

<Poetry — Joy An> [Ed. Joel Miles]

19. **Calcium hydroxide and this element’s sulfate are combined in a Bordeaux [bor-doh] mixture to kill crop-threatening fungi. In Benedict’s test, this element’s sulfate is reduced to an oxide in the presence of aldehydes. This is the first transition metal heavier than chromium to violate the aufbau [owf-bao] principle, since it has only one 4s electron. In aqueous solutions, this element’s (*) two-plus cations [CAT-eye-ons] appear bright blue. A substance known as verdigris [ver-dih-gree] forms when this element is oxidized to a green color. This metal is alloyed with tin to make bronze. For 10 points, name this metal whose atomic symbol is Cu [C-U].**

ANSWER: **copper** [accept **Cu** before “Cu”]

<Chemistry — Danny Peelen> [Ed. June Yin]

19. Venustiano Carranza rejected an offer laid out in this document. For 10 points each:

[H] Name this document, proposing a secret alliance between Germany and Mexico. This document was intercepted and decoded by Nigel de Grey and William Reginald Hall in Room 40.

ANSWER: **Zimmermann** Telegram [or **Zimmermann** Note or **Zimmermann** Cable]

[M] Two years prior, German U-boats sank the *Lusitania*, which caused this Secretary of State to resign. This former populist presidential candidate claimed “you shall not crucify mankind” upon the title object in one speech.

ANSWER: William Jennings **Bryan**

[E] This president, despite his slogan “he kept us out of war,” entered World War I in 1917. This president gave the Fourteen Points speech.

ANSWER: (Thomas) Woodrow **Wilson**

<American History — Andrew Gao> [Ed. Louis Li]

20. **This character is compared to a “terrier who doesn’t want to bring a ball” as he hides an animal in his pocket. This character’s death is foreshadowed by Carlsen’s killing of a smelly “ancient dog.” This character crushes a man’s hand in his “huge paws” after he is attacked for supposedly laughing at a glove filled with vaseline. This character panics while feeling the hair of a woman who reminds him of his Aunt Clara after a (*) dead puppy is discovered in a barn. This character imagines living “off the fatta’ the lan” and tending rabbits after killing Curley’s wife. For 10 points, name this mentally disabled laborer who is shot by George at the end of John Steinbeck’s *Of Mice and Men*.**

ANSWER: **Lennie Small** [accept either underlined portion]

<Long Fiction — Ganon Evans> [Ed. Joel Miles]

20. A test involving two of these objects and a hidden marble tests children's ability to attribute false beliefs to others. For 10 points each:

[H] Name these objects used in the Sally-Anne test. In one experiment, children imitated behavior towards these objects such as verbally berating them or hitting them with mallets.

ANSWER: **dolls** [accept **puppets**]

[E] In the first experiment using the Sally-Anne test, 80 percent of children with this condition were unable to understand Sally's perspective. Difficulties with social interactions characterize this "spectrum disorder."

ANSWER: **autism** spectrum disorder [or **ASD**; accept **Asperger's** syndrome]

[M] The first Sally-Anne experiment also involved people with this condition, 86% of whom passed the test. This condition is caused by a triple copy of chromosome 21.

ANSWER: **Down** syndrome [prompt on **trisomy 21**]

<Social Science — Joy An> [Ed. Ganon Evans]