

# SOUTHEAST-MIDWEST HOUSEWRITE: PACKET 13

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NOTE: THESE TOSSUPS AND BONUSES ARE PAIRED. IF THE TOSSUP GOES DEAD, SKIP THE ASSOCIATED BONUS. DO NOT GO BACK AND READ ANY BONUSES THAT ARE SKIPPED.

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**1. In 2009, a resident of this region colloquially known as the "Man of the Hole" survived an attack by several gunmen. The plight of people in this non-US region was discussed in a 2019 Congressional address by the teen activist Artemisa Xakriabá ("shaak-ree-aa-BAA"). In 2021, the last member of the Juma tribe in this region died of COVID-19. The agency FUNAI oversees indigenous people in this region, home to the most (\*) uncontacted people in the world. Tribes in this region such as the Yanomami have been endangered by the logging industry and were displaced by 2019 wildfires. For 10 points, the anti-indigenous policies of Jair ("jah-eer") Bolsonaro have affected people in which ecoregion mostly in Brazil, where many tribes live within the world's largest rainforest?**

ANSWER: the Amazon [accept the Amazon Rainforest; accept the Amazon Jungle; accept Amazonia; accept the Amazon Basin; accept the region around the Amazon River; accept Amazonas; prompt on Brazil]  
<Strombeck, Current Events> [Ed. Nageswaran]

1. This problem can be counteracted for aminoglycosides by modifying the A-site. For 10 points each:

[M] Name this problem that has led to rising MRSA infections in hospitals.

ANSWER: antibiotic resistance [accept methicillin resistance]

[E] Use of broad-spectrum antibiotics can modify the levels of organisms in these communities, which are microorganisms living in the gut.

ANSWER: gut microbiota [or gut flora or gut microbiome]

[H] The vaginal microbiome primarily includes bacteria in this genus, which babies acquire from the birth canal.

Less gut diversity is found in C-section babies because they first receive skin bacteria rather than bacteria from this genus found in yogurt.

ANSWER: Lactobacillus

<Lei, Biology> [Edited]

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**2. Thomas Hardy describes the "pinch of unseen, unguarded dust" that this poem's author heard in his tribute to this poem. This poem describes a being that has "lovest, but ne'er knew love's sad satiety." This poem's title figure floats and runs "like an unbodied joy whose race is just begun." That figure is compared to "a high-born maiden / in a palace-tower" and a (\*) "glow-worm golden / in a dell of dew." The final stanza of this poem describes the "harmonious madness" that would flow if its title figure would "teach me half the gladness / that thy brain must know." For 10 points, name this poem that begins "Hail to thee, blithe spirit," a Percy Bysshe Shelley poem addressed to a bird.**

ANSWER: "To a Skylark" [accept "Shelley's Skylark"]

<Leahy, Poetry> [Edited]

2. After all the other schools she had applied to rejected her, this woman was finally accepted into Geneva Medical College. For 10 points each:

[H] Name this physician, the first woman to receive a medical degree in the United States. Along with her sister Emily and Marie Zakrzewska (“zahk-SHEVV-ska”), this physician co-founded the New York Infirmary for Women and Children.

ANSWER: Elizabeth **Blackwell**

[E] Emily and Elizabeth Blackwell trained nurses during this conflict. Clara Barton, a nurse during this war, began gathering medical supplies to support the Union after the failures of the First Battle of Bull Run.

ANSWER: American **Civil** War [or U.S. **Civil** War]

[M] In her first thesis, Elizabeth Blackwell wrote about the prevalence of “ship fever” among immigrants of this ethnicity. Due to the spread of disease, the ships that immigrants of this ethnicity travelled on were called “coffin-ships.”

ANSWER: **Irish**-Americans [accept Americans from **Ireland**; accept Americans from Northern **Ireland**]

<Nageswaran, American History> [Edited]

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**3. One of these systems contains disturbances named for Santos-Dumont and Earhart called propellers. One of these systems is disappearing at a fast rate because a strong magnetic field causes it to “rain.” The unexplained Thebe extension is part of one of the gossamer examples of these systems. John Couch Adams names one of these systems whose subdivisions are named (\*) Liberté, Egalité, and Fraternité. These systems form if one body moves inside another’s Roche limit. Shepherd moons halt the natural increase in these systems’ width. The Encke gap and Cassini division are large empty spaces in one of these systems. For 10 points, name these circular collections of small particles that surround gas giants like Saturn.**

ANSWER: planetary **ring** systems [or planetary **rings**, accept specific ring systems like Saturn’s **ring** system]

<Karthik, Astronomy> [Ed. Bowman]

3. In a ballet by this choreographer, white-clad dancers perform a mock baptism in the section "Take Me to the Water," whose music includes the spiritual "Wade in the Water." For 10 points each:

[H] Name this African-American choreographer, a student of Lester Horton who created the ballet *Revelations* for a dance theater that he founded.

ANSWER: Alvin **Ailey** [accept Alvin **Ailey** American Dance Theater]

[E] The Alvin Ailey American Dance Theater is located in this city. The American School of Ballet shares this city's Lincoln Center for the Performing Arts with The Juilliard School and the Metropolitan Opera.

ANSWER: **New York** City [or **NYC**]

[M] Ailey's production *Rivers* is choreographed to music by this jazz composer. This composer's forays into programmatic music include the historical suite *Black, Brown, and Beige*.

ANSWER: Duke **Ellington** [or Edward Kennedy **Ellington**]

<Strombeck, Dance> [Edited]

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**4. Operation Dulcinea was an attempt to set up a rebel government in this country by hijacking and holding hostage a passenger ship. After one president of this country had a brain hemorrhage in a bathtub, he was succeeded by a former university president who had been forced out by students during this country’s Academic Crisis. After fleeing this country, the dissident (\*) Humberto Delgado was killed at its border in 1965 by this country’s secret police force, PIDE. This country’s entry in the 1974 Eurovision contest was used as the signal for a bloodless coup that initiated its Carnation Revolution. For 10 points, Antonio de Salazar led the *Estado Novo* regime in what European country?**

ANSWER: **Portugal** [accept **Portuguese Republic**]

<Strombeck, British/European History> [Edited]

4. The formulator of this thought experiment argued that it implied the existence of two different types of awareness relating a person to themselves in different ways. For 10 points each:

[H] Name this thought experiment devised by Avicenna that imagines a person with no sensory perceptions who is nonetheless aware of themselves, demonstrating the soul's existence.

ANSWER: **floating** man argument [or **flying** man; prompt on **suspended** man]

[E] Avicenna's floating man argument surfaced from his study of this field of philosophy about the nature of existence. Avicenna memorized Aristotle's treatise on this field, which was meant to be read after his similarly-named text on the natural world.

ANSWER: **metaphysics** [do NOT accept or prompt on "physics"]

[M] This later Arabic thinker rejected many of Avicenna's ideas, believing their Neoplatonist roots to be inferior to Aristotelianism. This thinker defended metaphysics against Al-Ghazali in his book *The Incoherence of the Incoherence*.

ANSWER: **Averroes** [or Abu al-Walid Muhammad ibn Ahmad **ibn Rushd**]

<Ashbrook, Philosophy> [Edited]

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**5. Description acceptable. One participant in this conflict recalled learning while still in his mother's womb how to enter a military formation, and another combatant in this conflict asked for a bed of arrows to be made for him. A commander of one side in this conflict trades immortality for a missile that can kill any mortal and is killed by his half brother when his chariot gets stuck. One participant in this conflict is tricked by the death of an (\*) elephant into believing his son had died. This conflict started when a group lost their territory in a dice game. An address given during this conflict explained why its listener must uphold his duty to fight against his relatives. For 10 points, the *Bhagavad Gita* chronicles an address Krishna gave to Arjuna during which war, the setting of a Hindu epic?**

ANSWER: **Kurukshetra** War [accept answers describing the **war** in the **Mahabharata**; accept answers describing **war** the between the **Pandavas** and **Kauravas**; prompt on answers indicating a war fought by just the **Pandavas** or a war fought by just the **Kauravas** by asking "against whom did they fight?"]

<Nageswaran, Mythology> [Ed. Groger]

5. A man says this phrase after approaching like "an old-stone savage armed," causing the narrator of a poem to remark, "He moves in darkness as it seems to me." For 10 points each:

[M] Name this phrase spoken by a man when he and the narrator repair a stone object in one poem. That man says this phrase despite the narrator's reassurance that his "apple trees will never get across" to the man's yard.

ANSWER: "**Good fences make good neighbors**"

[E] "Good fences make good neighbors" is the last line of "Mending Wall," a poem by this New England poet. This author's other picturesque poems include "Stopping by Woods on a Snowy Evening."

ANSWER: Robert (Lee) **Frost**

[H] To "put a notion" in his neighbor's head, the narrator of "Mending Wall" notes that "here there are" none of these creatures. Another Frost poem that repeats the line "I sha'n't be long.—You come too" is about watching one of these creatures get licked by its mother.

ANSWER: **cows** [or **calves**] (The unnamed poem is "The Pasture.")

<Ashbrook, Poetry> [Edited]

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**6. A painting titled after this general region features vignettes of Columbus, Heracles, and the three wise men in its ornate border. Charles Marion Russell is known for his paintings of people from this region. A group of people rest on a rocky outcrop while heading toward this region in an Emanuel Leutze painting titled for the (\*) “Course of Empire.”** In the best known work by John Gast, a white-dressed woman holding a telephone line floats across a landscape toward this region. A sect of the Hudson River School including Albert Bierstadt and Thomas Moran was known for landscapes of locations within this general region. Frederic Remington’s *Bronco Buster* depicts a horseman traditionally from this region. For 10 points, name this part of the United States to which settlers travel in paintings representing manifest destiny.

ANSWER: the American **West** [or the Wild **West**; accept **Westward** or **Westward, Ho!** or **Westward the Course of Empire Takes its Way**; accept answers indicating the **Western** part of the United States of America; prompt on **Rocky Mountains** or **Rocky Mountain School** by asking “What general region are the Rocky Mountains part of?”]  
<Bowman, Painting & Sculpture> [Ed. Strombeck]

6. After hiring a private military company to fight one rebellion in the Sandline Affair, this country’s prime minister Julius Chan was forced to resign. For 10 points each:

[H] Name this country where Sandline International was hired to fight in a civil war between 1988 and 1998. During World War II, Japanese forces in this country were repelled in the Kokoda Track campaign.

ANSWER: Independent State of **Papua New Guinea** [do NOT accept or prompt on “New Guinea”]

[E] Another scandal involving private military companies occurred after employees of Blackwater carried out the Nisour Square Massacre in this country. The U.S. invaded this country to overthrow Saddam Hussein.

ANSWER: Republic of **Iraq**

[M] During its civil war, Sierra Leone controversially hired the private military company Executive Outcomes, which was based in this country. This country’s own military fought SWAPO (“swaa-poh”) in the Border War.

ANSWER: Republic of **South Africa**

<Delot-Vilain/Prabhakar, World History> [Ed. Prabhakar]

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**7. In a David Mamet play centering on one of these events, hotel customers hear Charles Strickland screaming racial slurs while having sex. In another play about one of these events, a short-tempered stockbroker is asked, “You don’t really mean you’ll kill me, do you?” after a character measures the time needed to limp across an apartment. Drummond mocks Matthew Brady as the “Prophet of Nebraska” in a play set during one of these events that ends with (\*) Bertram Cates being fined 100 dollars. *Inherit the Wind* fictionalized a real-life one of these events, the start of which in another play sees a man numbered eight as the only person to vote no. For 10 points, name this type of event central to *Twelve Angry Men*, during which a jury acquits a boy accused of murder.**

ANSWER: **trials** [accept specific answers like the **trial** from *Inherit the Wind*; prompt on any answers mentioning a **jury** before mention] (The Mamet play is *Race*.)

<Kala, Drama> [Ed. Leahy]

7. Answer the following about cryptids that supposedly live in the United States, for 10 points each.

[E] This ape-like cryptid is said to live in the Pacific Northwest and is commonly known by a name referring to a large body part.

ANSWER: **Bigfoot** [accept **Sasquatch**]

[M] This state's namesake devil was legendarily created when Mother Leeds cursed her unborn thirteenth child. That creature, which is often described as having a goat's head, wings, hooves, and a forked tail, resides in this state's Pine Barrens.

ANSWER: **New Jersey** [accept **NJ**]

[H] The Wampus cat is an amphibious panther that was legendarily created when elders of this tribe cursed a woman for watching a sacred ceremony. In this tribe's Story of Corn and Medicine, only the owl and the panther are able to stay awake for seven days.

ANSWER: **Cherokee**

<Groger, Mythology> [Edited]

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**8. This emperor's baths were the larger of two imperial baths built on the former site of Nero's Domus Aurea. The Alcántara Bridge was constructed on the orders of this emperor. The Basilica Ulpia was located in this emperor's namesake forum, the last forum to be constructed in Rome. Many of this emperor's architectural projects were overseen by (\*) Apollodorus of Damascus. This emperor ordered the construction of a bridge over the Danube River near the Iron Gates to aid in his conquest of Sarmizegetusa ("saar-mee-zeh-geh-TOO-suh") as a part of his successful war against Decebalus. For 10 points, name this second of the Five Good emperors, whose victory over the Dacians was commemorated by a namesake column.**

ANSWER: **Trajan** [or Marcus Ulpius **Traianus**; accept Caesar Nerva **Traianus**; do NOT accept or prompt on "Nerva" alone]

<Delot-Vilain, Other History> [Ed. Prabhakar]

8. This hypothesis is incorrectly rejected in Type I errors and incorrectly accepted in Type II errors. For 10 points each:

[E] Name this hypothesis which statistical tests reject when the results are statistically significant.

ANSWER: **null** hypothesis

[H] The null hypothesis was conceptualized by this British statistician. This statistician names an exact test that is often used in place of Pearson's chi-square test when sample sizes are small.

ANSWER: Ronald **Fisher**

[M] Fisher gives his name to the *F*-test, which uses a statistic calculated as the difference between two values for this quantity. This quantity is the second moment of a distribution after the mean, which is the first moment.

ANSWER: **variance**

<Bowman, Math> [Edited]

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**9. A Baroque architectural style named after these things is exemplified by the pyramid-shaped San Agustin Church in Paoay and originated in the Philippines. One of these things inspired an architectural style characterized by wooden "cages" inside buildings that was named for an Iberian Prime Minister. Features such as trapezoidal doorways and precisely-fitted stone blocks that lack mortar at Machu Picchu were designed to (\*) handle these things. During the Spring and Autumn period, dǒugǒng ("doh-GUNG") were used in structures to counter the effects of these things, one of which destroyed the Colossus of Rhodes. Frank Lloyd Wright's Imperial Hotel in Tokyo withstood the Great Kantō example of, for 10 points, what type of seismic events that can topple buildings?**

ANSWER: **earthquakes** [accept **Earthquake** Baroque; accept **seismic** events or **seismic** activity before mention]

<Lin, Architecture> [Ed. Strombeck]

9. Name some works and authors associated with the Parisian literary periodical *Gil Blas* (“zheel blah”), for 10 points each.

[E] This author serialized numerous episodes of his Rougon-Macquart series of novels, including *Germinal*, in *Gil Blas*. This author criticized the French government’s handling of the Dreyfus Affair in his letter “*J’Accuse...!*”

ANSWER: Emile **Zola**

[H] Zola also serialized this Rougon-Macquart novel in *Gil Blas*, fictionalizing his friendship with Paul Cézanne. In this novel, Claude Lantier hangs himself from scaffolding after suffering from some serious artist’s block.

ANSWER: **L’Oeuvre** [accept *The Work* or *The Masterpiece*]

[M] Frequent *Gil Blas* contributor Auguste de l’Isle-Adam popularized this term in his novel *L’ève Future*. Rick Deckard is tasked with retiring six of these objects in a Philip K. Dick novel.

ANSWER: **androids** [prompt on synonyms like **robot** or **droid**]

<Karthik, Long Fiction> [Ed. Leahy]

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**10. A theory of this interaction has a very large coupling constant at low energy, so lattice methods are used rather than perturbative methods to solve it. This force is overcome above the Hagedorn temperature, creating a two-particle “plasma” that existed in the early stages of the universe. The carriers of this force are represented as (\*) helices on Feynman diagrams and have eight possible states. Quarks cannot exist in isolation because of the “rubber band” nature of this interaction, a property called color confinement. This force, which is described by quantum chromodynamics, is carried by gluons and holds the nucleus together. For 10 points, name this most powerful of the four fundamental forces.**

ANSWER: **strong** force [or **strong nuclear** force]

<Bowman, Physics> [Edited]

10. Juan Bernardino experienced one of these events three days after his nephew experienced one, leading to his *tilma* being imprinted. For 10 points each:

[M] Name these events, one of which took place before Juan Diego on Tepeyac Hill in 1531. The Three Secrets of Fátima were revealed during another of these events in 1917.

ANSWER: **Marian apparitions** [accept descriptions of **appearances** of the Virgin **Mary**; accept **visions** of the Virgin **Mary**; prompt on **apparitions**; prompt on **visions** by asking “visions of what?”]

[E] The site of the Marian apparition that Juan Diego experienced is now this country’s Basilica of Our Lady of Guadalupe. This country’s Day of the Dead is an example of syncretism between Catholic and Aztec practices.

ANSWER: **Mexico** [or the **United States of Mexico**; accept **México** (“MEH-hee-koh”); accept **Estados Unidos Mexicanos**]

[H] Lucía dos Santos, who experienced the apparition at Fátima, became a nun at a convent of this order. Teresa of Ávila, another nun from this brown-habited order, also claimed to have visions of the Virgin Mary.

ANSWER: **Carmelite** order [or **Carmelites**; accept **Order of the Brothers of the Blessed Virgin Mary of Mount Carmel**; accept Discalced **Carmelites**]

<Prabhakar, Religion> [Edited]

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**11. Historian Ben Finney helped design one of these non-space-related objects that would later be used by Mau Pailug. It’s not pottery, but the Lapita Cultural complex is the first known culture of one area to use these objects. A crab-claw shaped sheet was used with many of these objects, three main types of which were the *pahi*, *tongiaki*, and *ndrua*. Large examples of these objects called *waka* were built by the (\*) Maori for war. A hypothesis regarding the potential use of these objects by South Americans led to Thor Heyerdahl constructing one named *Kon-Tiki*. Examples of these objects such as outriggers were used by one people for their tradition of wayfinding. For 10 points, name these objects used by Polynesians to travel across the Pacific.**

ANSWER: **boats** [or **rafts**; or **canoes**; accept specific types of boats like **catamarans**; accept **waka** until mentioned; do NOT accept nor prompt on “ships”]

<Ashbrook, World History> [Ed. Prabhakar]

11. The Grolier Club is the oldest club in the United States for collectors of these objects, such as A.S.W. Rosenbach and Mary Hyde Eccles. For 10 points each:

[E] Name these objects. Collectors of these objects value the state of their dust jackets, such as the famous face in the blue sky on the jacket of one of these objects titled *The Great Gatsby*.

ANSWER: **books** [or **novels**; accept equivalents such as poetry **books** or **novellas**]

[M] Bill Gates paid 31 million dollars to buy this person's Codex Leicester ("lester") in 1994, making it the most expensive book ever sold at auction. Like other manuscripts, the Codex Leicester contains this person's backwards writing style.

ANSWER: **Leonardo** da Vinci [or Leonardo **da Vinci**]

[H] New York's Book Row housed dozens of bookstores before most closed down due to rent, making this bookstore the only one left from the era. This bookstore with a distinctive red awning is currently run by Bass and Nancy Wyden.

ANSWER: The **Strand** Bookstore

<Ashbrook, Other Academic> [Edited]

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**12. These organisms are studied with a Merritt hypsometer, which can be found on a Biltmore stick. These organisms are marked "in," "out," or "borderline" while using a wedge prism to estimate basal area. The *ramorum* species of a heterokont causes SOD by infecting one type of these organisms, which causes their sudden death. An invasive beetle named for its emerald color damages a type of these organisms in the *Fraxinus* genus. Crown thinning can occur in Waldsterben, the dieback of a (\*) stand of these organisms.**

Bipinnate structures are found in one of these organisms called the honey locust. A camouflage-like pattern found in a plant of this type, the American sycamore, is caused by bark flaking off. Deciduous and coniferous are types of, for 10 points, what organisms whose varieties include maple and pine?

ANSWER: **trees** [accept types of trees like **oak** or **ash**, accept **forests**, prompt on **plants**, prompt on **gymnosperms** or **angiosperms**]

<Lei, Biology> [Edited]

12. In one play, a person with this occupation becomes the object of affection of a man labeled the "patron saint of the socially inept." For 10 points each:

[H] Name this occupation held by the "Perfect Woman" of that play's narrator. The narrator of that play stabs himself in his prison cell at the end of that play, mirroring an act performed by a member of this occupation.

ANSWER: **opera singer** [accept but do NOT otherwise mention specific descriptions like Beijing **opera singer** or Chinese **opera singer**; prompt on **singer**]

[M] An opera singer doubling as a government spy seduces the French diplomat Rene Gallimard in this play by David Henry Hwang.

ANSWER: ***M. Butterfly***

[E] David Henry Hwang set *M. Butterfly* in this country, where Song Liling performs in this country's Peking opera. Hwang also contrasted Steve, a new immigrant from this country, to the Americanized Dale in his play *FOB*.

ANSWER: People's Republic of **China**

<Leahy, Drama> [Edited]

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**13. It's not New York City, but this city's World Trade Center is the tallest regular pentagonal building in the world. This city's Hampden neighborhood is home to its annual celebration of Honfest, named for this city's most iconic slang term. Latrobe Park is located in this city's Locust Point neighborhood, which, along with this city's neighborhood of (\*) Fell's Point, is bounded by the Patapsco River. Tourists often visit this city's Inner Harbor district, which is home to its National Aquarium. The Preakness Stakes are hosted at the Pimlico Race in this city, which was historically defended by Fort McHenry. Johns Hopkins University is located in, for 10 points, what largest city in Maryland?**

ANSWER: **Baltimore**

<Lau/Prabhakar, Geography> [Ed. Prabhakar]

13. Amonton's first law states that the magnitude of this force is independent of contact area. For 10 points each:  
[E] Name this force that resists motion between two objects sliding against each other.

ANSWER: **friction**

[M] Friction can produce this effect in which contact and separation between two materials creates an electric charge. The Van de Graaff generator uses this effect to accumulate charge.

ANSWER: **triboelectric** effect [prompt on static electricity]

[H] This scientist names a law stating that the magnitude of kinetic friction is independent of slipping speed. A screened potential named for this scientist is also called the Yukawa potential.

ANSWER: Charles-Augustin de **Coulomb**

<Bowman, Physics> [Ed. Bowman]

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**14. One author recounted telling this other author “remarks are not literature” after enlisting his help in publishing the novel *The Making of Americans*. Two waiters talk while waiting for an old man at a café to leave in a story by this author that ends with a modified Lord's Prayer; that story exemplifies this author's “nada” principle. Phillip Young called characters created by this author with static characteristics (\*) “code heroes.” This author was punched in the face by Wallace Stevens and recounted his European travels with F. Scott Fitzgerald in the memoir *A Moveable Feast*. The line “Isn't it pretty to think so?” is said by an impotent character created by this author who lives in Paris with the boxer Robert Cohn and Lady Brett Ashley. For 10 points, name this author of *The Sun Also Rises*.**

ANSWER: Ernest Miller **Hemingway**

<Ashbrook, Short Fiction/Other> [Ed. Leahy]

14. The people of this culture migrated away from Chaco Canyon during prolonged periods of drought in the 12th and 13th centuries. For 10 points each:

[E] Name this ancient culture that inhabited the Four Corners region of the American Southwest, and who are also known for their cliff dwelling buildings. Those buildings of this culture often had rooms called *kivas* for ceremonial purposes.

ANSWER: Ancestral **Puebloans** [or **Anasazi**; prompt on Chaco Canyon culture]

[M] This architectural site was one of the main hubs of Ancestral Pueblo culture, filled with “great house” sites such as the Square Tower. The giant Cliff Palace is located at this site.

ANSWER: **Mesa Verde** (National Park)

[H] The early history of the Pueblo culture consists of three eras named after makers of these objects, which were often made using the “two rods and a bundle” technique.

ANSWER: Pueblo **baskets** [accept **basket**makers; accept **Basket**maker Eras]

<Ashbrook, Other History> [Ed. Prabhakar]

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**15. Jesper Juul identified “interruptibility” and “juiciness” as factors affecting who engages in this activity in the book *A Casual Revolution*. People can engage in “procedural rhetoric” when doing this activity according to a book by Ian Bogost. Jane McGonigal researched how collective interaction in this activity can be used to solve global issues like climate change in a book on how this activity (\*) “Can Change the World.”** Conflict between story and action that people experience when doing this activity is known as “ludonarrative dissonance.” A form of this activity criticized for exposing children to gambling is named after the Japanese concept of *gacha*. For 10 points, name this activity that involves using consoles like the Nintendo Wii.

ANSWER: playing video **games** [or **gaming**; accept specific forms of video gaming such as playing **computer games** or playing **mobile games**; do NOT accept or prompt on other forms of games, such as “board games”]  
<Ashbrook, Other Social Science> [Edited]

15. Kaikhosru Sorabji’s second “symphony” for this instrument is over eight hours long, with a three-hour finale. For 10 points each:

[M] Name this keyboard instrument played by Charles-Marie Widor and Dietrich Buxtehude. One of these instruments in Germany is currently playing the 639-year long piece *As Slow As Possible*.

ANSWER: pipe **organs** [or reed **organs**]

[H] Another very long symphony is Havergal Brian’s symphony of this number, which is nicknamed “Gothic.” In a different symphony of this number, a choir performs “On the Beach at Night Alone” and other Walt Whitman poems.

ANSWER: **one** [accept **first** symphony or Symphony No. **1**] (The other piece mentioned is Vaughan William’s Symphony No. 1.)

[E] While it’s only around an hour and a half long, this composer’s third symphony is still the longest in the standard concert repertoire. His second symphony is nicknamed “Resurrection,” and he also wrote *The Song of the Earth*.

ANSWER: Gustav **Mahler**  
<Karthik, Classical Music> [Ed. Strombeck]

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**16. With his student Michael Kasha, this scientist described increasing ET using lower-strength acid auxochromes in the paper “Phosphorescence and the Triplet State.” In this scientist's paper "The Atom and the Molecule," he coined the word "photon." This scientist did not share a Nobel Prize in Chemistry with his colleague Harold (\*) Urey despite having isolated heavy water for the first time. The Friedel–Crafts reaction is catalyzed by compounds named for this scientist such as AlCl<sub>3</sub> (“A-L-C-L-3”). This scientist defined acids as electron-pair acceptors. For 10 points, name this Berkeley scientist who showed electron arrangements in covalent bonds using his namesake “dot diagrams.”**

ANSWER: Gilbert Newton **Lewis**  
<Strombeck, Chemistry> [Ed. Lei]

16. Answer the following about European historical events mentioned in Billy Joel's song, "We Didn't Start the Fire," for 10 points each.

[E] Verse 1 mentions the coronation of this current British queen in 1952. This successor to George VI faced the "annus horribilis" in 1992 and the fallout from Princess Diana's death in 1997.

ANSWER: **Elizabeth II** [prompt on Elizabeth]

[H] Verse 4 mentions Pope Paul VI, who wrote this 1968 encyclical opposing abortion and birth control. The Belgian cardinal Leo Jozef Suenens criticized this encyclical by comparing it to the Galileo affair.

ANSWER: ***Humanae vitae***

[M] Verse 5 mentions "Russians in Afghanistan," a reference to the Soviet invasion of Afghanistan initiated by this Premier. This Premier, who succeeded Nikita Khrushchev, justified the invasion under his namesake doctrine.

ANSWER: Leonid Ilyich **Brezhnev**

<Sareddy/Prabhakar, British/European History> [Ed. Prabhakar]

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**17. In a story by this author, a rancher's suspicious knowledge of German cameras is revealed while playing chess against an authorial self-insert. In that story, Jake Pepper tries to solve a series of murders by meth-injected rattlesnake. Yuniوشي discovers a carving of the central character of a novella by this author in the African or East Anglian town of Tococul. A character created by this author changes her name from Lulamae after marrying a veterinarian at age 14. This author of (\*) "Handcarved Coffins" wrote about a character who visits the mob boss Sally Tomato at Sing Sing prison and flees to Brazil with a plane ticket bought by José. The "American geisha" Holly Golightly was created by, for 10 points, what author of *Breakfast at Tiffany's*?**

ANSWER: Truman Garcia **Capote** [or Truman Streckfus **Persons**; accept **TC**]

<Delot-Vilain, Short Fiction/Other> [Ed. Leahy]

17. This sculpture was commissioned by Republican Spain during the Spanish Civil War to draw attention to the siege of Almadén, whose mines produced the title material of this sculpture. For 10 points each:

[H] Name this sculpture displayed in front of *Guernica* at the 1937 World's Fair. A red circle and a chain hang from a wire above this sculpture's main body.

ANSWER: ***Mercury Fountain*** (by Alexander Calder)

[E] *Guernica*, which depicted the bombing of a Basque village during the Spanish Civil War, was painted by this Spanish artist. This artist began creating Cubist works a few years after his Rose and Blue Periods.

ANSWER: Pablo **Picasso**

[M] *Mercury Fountain* can now be found at a Spanish museum named for this other artist. This artist depicted an abstract view of his family farm in *The Tilled Field*.

ANSWER: Joan **Miró** [or Joan **Miró** i Ferrà]

<Karthik, Painting & Sculpture> [Ed. Strombeck]

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**18. Pure land Buddhists believe that Amitabha ("ah-mee-TAH-buh") is among this number of "Saints of the West" who greet people upon their deaths. According to Mahayana Buddhists, the Buddha manifests in this many *kayas*, or bodies. In Hindu weddings, the groom promises to the bride's father this many times not to fail her in life. In the Bhagavad Gita, Krishna identifies this many spiritual paths to salvation. *Rajas* is one of this many (\*) *gunas* according to the Samkhya ("SAHM-kyah") school. Followers of Shiva will apply this many lines of ash to their foreheads as part of *tilak*. A popular Buddhist proverb is often symbolized by this many monkeys covering different parts of their head. For 10 points, give the number of gods in the Hindu Trimurti ("TREE-murr-tee").**

ANSWER: **three** [accept "**Three** Saints of the West"; accept the **trikaya**]

<Prabhakar, Religion> [Ed. Ashbrook]

18. Federalist 44 argues that without the inclusion of this clause, the Constitution would be a “dead letter.” For 10 points each:

[M] Name this clause which enables the federal government to expand its powers beyond those explicitly stated in the Constitution.

ANSWER: **Necessary and Proper** Clause [accept the **Elastic** Clause]

[E] The Necessary and Proper Clause appears in Article I of the Constitution, which designates the powers of this branch of the government. A 2/3 majority in this branch of government can be used to override presidential vetoes.

ANSWER: **legislative** branch [accept the United States **Congress**; prompt on the **House** of Representatives or the **Senate** with “what larger body are they a part of?”]

[H] During the impeachment of President Trump, his attorneys referenced how Article I, Section 9 forbids this action. This action involves a legislative body punishing an individual or group of people without a trial.

ANSWER: **bill of attainder** [or **act of attainder** or **writ of attainder** or **bill of penalties**]

<Nageswaran, Other Social Science> [Edited]

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**19. This president’s former Secretary of State William R. Day resigned in order to lead the American delegation during negotiations for a treaty opposed by George Frisbie Hoar. The controversial Newlands Resolution was passed under this president. This president oversaw one conflict partly initiated by criticisms of him in the (\*) De Lôme letter. The aftermath of a treaty ratified during this president’s tenure included the Insular Cases. That treaty ended a conflict which was called a “splendid little war” by this president’s final Secretary of State John Hay and resulted in the acquisition of Guam and Puerto Rico. The Spanish-American War took place during the presidency of, for 10 points, what 25th president who was assassinated by Leon Czolgosz?**

ANSWER: William **McKinley**

<Prabhakar, American History> [Ed. Nageswaran]

19. An old man claims that stopping this action will lead to people "eating stewed chickweed and acorns" upon its abandonment. For 10 points each:

[M] Name this practice, which has perpetuated beyond the use of an original black box. At the end of one story, this practice is performed on the winner of an event that repeatedly screams “It isn’t fair.”

ANSWER: **stoning** [prompt on “killing” with “what is the manner of death?”; prompt on winning the lottery or “The **Lottery**” with “what action is performed on the winner of the lottery?”]

[E] The adults of a small village gather on June 27th for this story’s title event to ensure that “corn be heavy soon.” Tessie Hutchinson cries out “It isn’t fair” at the end of this story by Shirley Jackson.

ANSWER: “The **Lottery**”

[H] In another short story by Jackson, Laurie tells his parents stories about the title fictional troublemaker with this first name in his preschool class. An author who went by this first name created the alter ego Henry Chinaski in books like *Post Office* and *Ham and Rye*.

ANSWER: **Charles** [accept **Charles** Bukowski]

<Sareddy/Leahy, Short Fiction/Other> [Ed. Leahy]

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**20. A composer from this country used a summer-long walking trip he made with an Edison phonograph to write a doctoral thesis on “strophic construction” in this country’s native music. A folk song from this country forms the basis of that composer’s *Peacock Variations*. This country’s *unka* frog is mimicked in a movement of a piano suite from this country, (\*) *Out of Doors*. A suite based on a folk opera from this country includes a “Viennese Musical Clock” and opens with a “musical sneeze.” A composer from this country was influenced by studying its folk music to write six dissonant string quartets and his *Concerto for Orchestra*. For 10 points, name this home country of the musicologists and composers Zoltán Kodály and Béla Bartók.**

ANSWER: **Hungary** [or **Hungarian**; accept **Magyarország**]

<Dantzler/Strombeck, Classical Music> [Ed. Strombeck]

20. The "fritted" type of this material can be used in scrubbers and spargers because it is porous. For 10 points each:  
[E] Name this clear amorphous material often made from silicates. The "tempered" type of this material can be used to protect phone screens.

ANSWER: **glass**

[M] This piece of laboratory glassware should be filled up to its single mark, labeled "TC." This piece of glassware is pear-shaped and has a flat bottom and a narrow neck.

ANSWER: **volumetric flask** [or **measuring flask** or **graduated flask**, prompt on **flask**; do NOT accept or prompt on "graduated cylinder" or "Erlenmeyer flask"]

[H] This piece of glassware is used with a condenser to continuously remove water from a reaction to drive the reaction to completion.

ANSWER: **Dean-Stark** apparatus [accept **Dean-Stark** receiver or **Dean-Stark** Head, prompt on **distilling trap**]  
<Lei, Chemistry> [Edited]

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