

CALISTO 2

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Packet 12

1. **This movement’s emotional “enthusiasm” was criticized in a speech by Charles Chauncy. A narrative about this movement is titled for “surprising work” concerning “many hundred souls” in Northampton, where its author rallied supporters called “New Lights.” A speech from this movement compares its audience to “a (*) spider, or some loathsome insect” held over a fire. This movement was led by preachers like George Whitefield and Jonathan Edwards, the latter of whom delivered the sermon “Sinners in the Hands of an Angry God.”** For 10 points, name this religious revival that swept the American colonies in the 18th century before a “Second” revival a century later.

ANSWER: First **Great Awakening** [or the **Evangelical Revival**; do NOT accept or prompt on “Second Great Awakening”]

<American History — French> [Edited]

1. For 10 points each, answer the following about the Japanese popular music genre *enka*:

[E] Because the genre is popular with older generations of Japanese and represents a romanticized view of traditions, many female *enka* singers wear this traditional Japanese garment secured by an *obi* sash.

ANSWER: **kimono**

[H] A key characteristic of *enka* is the vocal technique of *kobushi*, which is often compared to this technique in Western music. For string instruments, this technique involves “wobbling” the finger on the fingerboard.

ANSWER: **vibrato** [do NOT accept or prompt on “tremolo”]

[M] The *yona nuki* scale used by many *enka* songs omits the fourth and seventh of the Western scale, making it effectively one of these scales common in East Asian music that can be played on a piano’s black keys.

ANSWER: **pentatonic** scale

<Misc. Art — Ma> [Edited]

2. **This substance “freezes out” and drops out of equilibrium in systems that model it as thermal relics. This substance is concentrated in clumps called subhalos. The free streaming length of this substance determines whether it is “hot,” “warm,” or “cold.” Fritz Zwicky (“TSVICK-ee”) conceptualized this substance in the Coma Cluster to explain anomalous galaxy (*) speeds. Vera Rubin’s studies of galaxy rotation curves provided evidence for this substance. This substance makes up 27 percent of the universe’s energy density and 85 percent of its mass. For 10 points, name this type of matter that does not interact with light.**

ANSWER: **dark matter** [or **dark** after “matter” is read; accept cold **dark matter** or hot **dark matter** or warm **dark matter** or **dunkle Materie** or **CDM** or **HDM** or **WDM**; do NOT accept or prompt on “dark energy”]

<Astronomy — Bowman> [Ed. Yin]

2. In a play by this author, a lady exclaims, “Oh, what faithless little creatures girls are,” while talking to her mother Catherine. For 10 points each:

[M] Name this author who wrote about the love between Raina and the Serbian officer Bluntschli in the play *Arms and the Man*. In another play by this author, the professor Henry Higgins trains a flower girl to speak like a duchess.
ANSWER: George Bernard **Shaw** (The second play is *Pygmalion*.)

[E] Shaw’s *Arms and the Man* takes its title from the opening line of this poet’s *The Aeneid*.

ANSWER: **Virgil** [or **Vergil** or Publius **Vergilius** Maro]

[H] The first stanza of *The Aeneid* introduces the anger of this figure. In *Arms and the Man*, Bluntschli hides from Bulgarian soldiers in Raina’s bedroom, which parallels a storm that this figure asks Aeolus to send to hinder Aeneas and the Trojans.

ANSWER: **Juno** [prompt on **Hera**]

<Other Literature — Lin> [Edited]

3. **An aria by this composer is echoed by the quick alternating C and G octaves from the 22nd Diabelli Variation. A man swears vengeance on the killer of his fiance’s father in an oft-excerpted tenor aria by this composer, “Il mio tesoro.” The aria “Non più andrai” is from an opera by this composer whose title character marries Susanna after keeping (*) Count Almaviva from sleeping with her. The unrepentant title character of another opera by this composer is dragged to hell by a statue of the Commendatore. For 10 points, name this Classical composer of *The Marriage of Figaro* and *Don Giovanni*.**

ANSWER: Wolfgang Amadeus **Mozart**

<Classical Music — Condron> [Edited]

3. In the first section of this text, a man introduces himself as Gangleri to High, Just-as-high, and Third. For 10 points each:

[H] Name this text which begins with the *Gylfaginning*. Many Norse myths like the death of Baldr are known primarily from this text, which was compiled by Snorri Sturluson.

ANSWER: **Prose Edda** [or **Younger Edda**; prompt on **Edda** or **Snorri’s Edda**; do NOT accept or prompt on “*Poetic Edda*”]

[E] The *Gylfaginning* describes a myth in which this god and his two brothers kill the primordial giant Ymir. In another myth, this chief of the Norse gods hangs himself from Yggdrasil to gain knowledge.

ANSWER: **Odin** [or **Allfather**; accept **Wotan** or **Woden**]

[M] According to the *Gylfaginning*, after killing Ymir, Odin and his brothers make the sky out of Ymir’s skull and hold it up using four of these creatures. After Loki cuts off Sif’s hair, these creatures make a replacement.

ANSWER: **dwarves** [accept **dark elves** or **svartalfar**]

<Mythology — An> [Edited]

4. **In a novel by this author, destitute townspeople drink red wine spilled in the street, foreshadowing a scene in which a mob attacks a fortress. In that novel by this author, a character traumatized by his long imprisonment compulsively makes shoes. The protagonist of a novel by this author is arrested after two companions steal a handkerchief from (*) Mr. Brownlow. That title character created by this author is punished after requesting for “some more” food in an orphanage. A novel by this author begins with the contrasting extremes, “It was the best of times, it was the worst of times.” For 10 points, name this author of *A Tale of Two Cities* and *Oliver Twist*.**

ANSWER: Charles **Dickens** [or Charles John Huffam **Dickens**]

<Long Fiction — Lin> [Ed. Orr]

4. This president's Secretary of War, William Belknap, received kickbacks in exchange for an appointment in what became known as the Trader Post scandal. For 10 points each:

[M] Name this president, whose scandal-ridden administration also dealt with the Whiskey Ring and Credit Mobilier scandals.

ANSWER: Ulysses S. **Grant** [or Hiram Ulysses **Grant**]

[H] The Trader Post scandal involved Belknap accepting kickbacks from traders, partially because he was indebted from renting this politician's former house. Earlier, this politician resolved the Trent Affair in one cabinet position.

ANSWER: William H. **Seward**

[E] Belknap was ultimately subject to this process by Congress wherein federal officials are charged with a crime. Andrew Johnson was subject to this process as president, which happened twice to former president Donald Trump.

ANSWER: **impeachment**

<American History — Amanullah> [Ed. Prabhakar]

5. **An ancient observatory in this country on top of Mount Catequilla may have been built by this country's Cara culture. In this country, a monument of polished andesite called "the middle of the world" was built to commemorate the French Geodesic Mission. The volcano Cotopaxi is in this country, as is the point on Earth's surface (*) furthest from its center, Mount Chimborazo. This country's capital is positioned over nine-thousand feet above sea level, far above its largest city, the coastal port Guayaquil. For 10 points, name this small South American country whose capital is Quito and which contains the Galapagos Islands.**

ANSWER: **Ecuador** [or Republic of **Ecuador** or República del **Ecuador**]

<Geography — French> [Edited]

5. Hohmann transfers are used to move a spacecraft between two circular examples of these paths. For 10 points each:

[E] Name these curved paths caused by gravitational interactions. They include the Earth's trajectory around the Sun and the Moon's trajectory around the Earth.

ANSWER: **orbits**

[M] The efficiency of an orbital maneuver is typically measured by a value denoted "delta-[this quantity]." This quantity is squared and divided by radius to give centripetal acceleration.

ANSWER: **velocity** [or **v**]

[H] Because delta-v budgets are limited, spacecraft may use these maneuvers to change speed without expending fuel. These maneuvers involve flying close to a massive object and using its orbital motion to modify the path of the spacecraft.

ANSWER: gravity **assists** [or gravitational **slingshots**; or **swing-bys**; prompt on fly-bys]

<Physics — Sheffield> [Ed. Bowman]

6. **This thinker asserted that, since dreaming of sitting in front of the fire is the same as actually experiencing it, a person cannot actually know whether they are really awake or asleep. Gilbert Ryle called one of this thinker's ideas a "category-mistake" and derisively called that idea the "ghost in the machine." This thinker used the example of (*) melting wax to advocate for rationalism and ascribed to an extreme form of skepticism known as his method of doubt. This thinker's six-chapter *Meditations on First Philosophy* outlines his namesake mind-body dualism. For 10 points, name this French philosopher who claimed, "I think, therefore I am."**

ANSWER: Rene **Descartes** [or Renatus **Cartesius**]

<Philosophy — Miles> [Ed. Gemmill-Nexon]

6. Joseph Goebbels dubbed a fleet from this country the “Scrap Iron Flotilla.” For 10 points each:

[E] Name this country led by John Curtin for the majority of the Second World War. Japan bombed this country’s cities of Darwin and Broome during the war, which also saw increased benefits for this country’s Aborigines.

ANSWER: **Australia**

[M] Australian and American forces defended Australia’s Territory of Papua at the Battle of the Coral Sea, which saw the first combat engagement of these ships. The *USS Abraham Lincoln* is one of the Nimitz-class of these ships.

ANSWER: **aircraft carriers**

[H] The 9th Australian Division sustained heavy casualties at a battle at this location. A later battle at this location saw Allied forces launch Operation Supercharge under the leadership of Bernard Montgomery.

ANSWER: **El Alamein** [accept First Battle of **El Alamein** or Second Battle of **El Alamein**]

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

7. **Philip Glass composed incidental music for a 2016 Ivo van Hove production of this play. In that production of this play, Saoirse (“sur-shuh”) Ronan played a character who claims that Mary Warren is attacking her in the form of a yellow bird while Martha is being accused of reading suspicious books. In this play, Martha’s husband, (*) Giles Corey, demands “more weight” while he is being pressed to death. Reverend Parris discovers the slave Tituba dancing naked with Abigail Williams and other girls, setting in motion the action of this play. For 10 points, name this play in which John Proctor and other residents of Salem, Massachusetts, are executed for witchcraft, written by Arthur Miller.**

ANSWER: *The **Crucible***

<Drama — Condron> [Edited]

7. In an episode of this show, Kit throws a prom for Holden, who is slated to undergo heart surgery. For 10 points each:

[H] Name this critically-panned show airing on Hulu Plus as well as YouTube, which stars Lauren Kettering, Madi Monroe, and others as volunteers at the title hospital.

ANSWER: **Attaway General**

[E] Most of the actors on *Attaway General* are stars on this social media platform. The Chinese company Bytedance owns this app, some stars of which also lived together in the “Hype House.”

ANSWER: **TikTok**

[M] Dixie and Charli are TikTok-famous sisters with this last name. While only Dixie appeared on *Attaway General*, both sisters with this last name left the Hype House amid much drama in early 2020.

ANSWER: **D’Amelio** [or Charli **D’Amelio** or Dixie **D’Amelio**]

<Pop Culture — Delot-Vilain> [Edited]

8. **An inner product must be linear, bisymmetric, and [this property]-definite, meaning the inner product of a nonzero vector with itself always has this property. If a linear transformation’s determinant has this property, it preserves orientation. The norm of a nonzero vector always has this property. If a function’s second derivative has this property, the function is called (*) “concave-up.” The set of reals with this property is the domain of the logarithm function. The natural numbers are the subset of the integers with this property. For 10 points, name this property held by numbers greater than 0, as opposed to negative numbers.**

ANSWER: **positive** [accept **nonnegative**; accept descriptive answers such as **greater than 0** or **greater than or equal to 0** until mention]

<Math — Sheffield> [Ed. Bowman]

8. One artist from this country, Anselm Kiefer, uses straw and very thick layers of paint in huge canvases like *To the Unknown Painter*. For 10 points each:

[M] Name this country that was home to a 1937 exhibition of so-called “degenerate art.” That exhibition mocked artworks that were part of some movements in this country like New Objectivity.

ANSWER: **Germany** [or Federal Republic of **Germany** or Bundesrepublik **Deutschland**; accept West **Germany** or Nazi **Germany** or the **Third Reich**]

[E] Like many contemporary German artists, Anselm Kiefer’s work is heavily inspired by this World War II era genocide that killed two thirds of Europe’s Jewish population.

ANSWER: the **Holocaust** [or **Shoah**]

[H] Although he was an ardent Nazi, the most-exhibited artist at the Degenerate Art Exhibition was Emil Nolde, a member of this movement. Another artist from this movement showed himself in his studio with one hand amputated in *Self-Portrait as a Soldier*.

ANSWER: Die **Brücke** [or The **Bridge**] (*Self-Portrait as a Soldier* is by Ernst Kirchner.)

<Painting — Miles> [Edited]

9. **This city’s mayor was elected in 2020 promising to remove on-street parking to help make this city a “15-minute city.” A 2019 public transit strike and the COVID pandemic helped that mayor of this city build bike lanes and ban cars from streets like one named for Rivoli. This city’s mayor, Anne (*) Hidalgo, was also mayor during a 2015 terrorist attack at this city’s Bataclan theater. Another 2015 terrorist attack took place at the offices of the newspaper *Charlie Hebdo* in this city. Donald Trump withdrew from and Joe Biden rejoined a 2015 international climate agreement signed in this city. For 10 points, name this capital governed from by Emmanuel Macron.**

ANSWER: **Paris** [accept **Paris** Climate Agreement or **Paris** Climate Accords]

<Current Events — Gray> [Edited]

9. For 10 points each, answer the following about ocean acidification, “global warming’s equally evil twin”:

[E] Ocean acidification occurs when this atmospheric gas dissolves in seawater, forming carbonic acid. This triatomic (“TRY-uh-tom-ick”) greenhouse gas is produced by the combustion of fossil fuels.

ANSWER: **carbon dioxide** [or **CO₂**]

[M] Ocean acidification disrupts the natural buffering system between carbonic acid and this anion (“AN-eye-on”). This ion has the formula HCO_3^- (“H-C-O-three-minus”) and is found with sodium in a common leavening (“LEV-uh-neeng”) agent.

ANSWER: **bicarbonate** [or **hydrogen carbonate**; do NOT accept or prompt on “carbonate”]

[H] Ocean acidification is tracked by measuring this mineral’s saturation state. Reef-building corals make their skeletons out of this calcium-carbonate mineral that is less stable than calcite.

ANSWER: **aragonite** (“uh-RAG-uh-nite”) [do NOT accept or prompt on “limestone”]

<Earth, Ocean, and Atmospheric Sciences — Yin> [Edited]

10. **This ruler was served by the Scottish advisor and military officer Patrick Gordon. In his youth, this ruler practiced war games with his “toy army.” This ruler established the Most Holy Synod and quashed the Bulavin Rebellion against his rule. This ruler’s half-sister Sophia served as his regent following a rebellion carried out by members of the (*) Streltsy infantry, which this ruler later disbanded. This ruler created a merit-based system for determining government and military positions called the Table of Ranks. This ruler’s Grand Embassy inspired a series of reforms including a tax on beards. For 10 points, name this westernizing *tsar* of Russia.**

ANSWER: **Peter I** [or **Peter** the **Great**; or **Pyotr I**; or **Pyotr** the **Great**; or **Pyotr Alexeievich**; or **Pyotr Velikiy**; accept **Pyotr Mikhailov**; prompt on **Peter** or **Pyotr** alone]

<European History — Ashbrook> [Ed. Prabhakar]

10. Many translations of this poet's fragment 58 explicitly mention Tithonus, but Anne Carson's translation simply describes "Dawn with arms of roses" without saying who Dawn was with. For 10 points each:

[M] Name this ancient Greek poet whose surviving corpus consists mostly of short fragments. This poet addressed a "deathless" goddess with an "iridescent throne" in "Ode to Aphrodite."

ANSWER: **Sappho**

[E] Because Sappho wrote love poems about other women, she is the origin of "sapphic" and this other word, which derives from the name of her home island. The 'L' in "LGBT" stands for this word.

ANSWER: **lesbian** (Sappho was from the island of Lesbos.)

[H] Many of Sappho's fragments were discovered at Oxyrhynchus, an archaeological site in this region. A palinode by Stesichorus about a woman who hid in this region inspired a poem set here by H.D.

ANSWER: **Egypt** (H.D.'s poem is *Helen in Egypt*.)

<Poetry — An> [Ed. French]

11. **The density of these structures can be measured with a DEXA scan. Overproduction of the RANK ligand, which leads to a disease that causes weakening of these structures, can be treated with bisphosphonates.**

Wolff's law states that these structures adapt their densities to pressure through formation or resorption. (*)

Parathyroid hormone and calcitonin are responsible for maintaining the proper density of these structures. Vitamin D deficiency can cause rickets, which dramatically weakens these tissues in children due to their inability to absorb calcium. For 10 points, name this tissue which makes up the majority of the body's skeletal system.

ANSWER: **bones** [or **bone** tissue]

<Biology — Schwartz> [Edited]

11. Giovanni Giustiniani led a group of mercenaries in a failed defense of this city. For 10 points each:

[H] Name this city where during that defense a besieging fleet was supposedly hauled over land into the Golden Horn. The army protecting this city retreated to the Blachernae palace after the Theodosian walls were overrun.

ANSWER: **Constantinople** [or **Konstantiniyye**]

[E] Constantinople fell in 1453 to this empire. This empire ruled much of the Balkans and the Middle East until it was dissolved and became the modern Republic of Turkey.

ANSWER: **Ottoman** Empire

[M] The mercenaries led by Giustiniani primarily hailed from this city. Andrea Doria served as a capable admiral for and governed this Italian city-state, which was a maritime rival of Venice in the Mediterranean Sea.

ANSWER: **Genoa** [or **Genova**]

<European History — Athreya> [Edited]

12. **For the film adaptation of a musical set in this place, Diana Ross and Michael Jackson covered the song "Ease on Down the Road." In another musical set in this place, the protagonist sings, "He could be that boy / But I'm not that girl" after setting free a lion cub with the prince Fiyero. A song in a film titled for this place describes a land "where trouble melts like (*) lemon drops / high above the chimney tops." In a musical set in this place, a hydraulic lift raises the green-skinned protagonist above the stage in the song "Defying Gravity." For 10 points, the song "Over the Rainbow" was written for a film mostly set in what magical land with a namesake Wizard?**

ANSWER: **Oz** [accept *The Wizard of Oz*] (The first two musicals are *The Wiz* and *Wicked*.)

<Musicals — French> [Edited]

12. The Goldman Equation is a modification of this equation applied to cell membranes which takes ion selectivity and concentration into account. For 10 points each:

[M] Name this equation which relates the reduction potential of a half-cell with the reaction quotient at a given temperature. A standard hydrogen electrode is used to determine the standard reduction potential within this equation.

ANSWER: Nernst equation

[E] The Nernst equation uses the reaction quotient to account for the transfer of these species. These negatively charged particles orbit the nucleus.

ANSWER: electrons

[H] The reduction potential of various half reactions can be experimentally determined using the cyclic form of this technique. This technique uses three electrodes to determine the potential of a half cell.

ANSWER: voltammetry [accept cyclic voltammetry, accept linear-sweep voltammetry]

<Chemistry — Athreya>

13. **In this novel, a character escapes from a train full of “man corpses, woman corpses, child corpses” headed to the sea. A woman in this novel who corresponds with “invisible doctors” arranges for a man constantly followed by yellow butterflies to be shot. A plague of insomnia in this novel is caused by the dirt-eating orphan Rebeca. In this novel, a character who is tied to a chestnut tree befriends (*) Melquíades.** This novel opens with Colonel Aureliano recalling “that distant afternoon when his father took him to discover ice” as he is facing a firing squad. For 10 points, name this novel set in Macondo about the decline of the Buendía family, written by Gabriel García Márquez.

ANSWER: One Hundred Years of Solitude [or Cien años de soledad]

<Long Fiction — Lin> [Ed. Orr]

13. For 10 points each, answer the following about how to organize the books in a library:

[E] This system, used to classify books in many US libraries, is hierarchical. For example, the 900 block for history contains the 930 block for ancient history in this “Decimal System.”

ANSWER: Dewey Decimal System [or Dewey Decimal Classification]

[H] This other classification system is used more often in larger libraries, like most university libraries. This system mixes letters and numbers to encode information like publication year and the first letter of the author’s last name.

ANSWER: Library of Congress Classification System

[M] Since classifying books is basically organizing knowledge, most systems are ultimately inspired by the division of knowledge in this thinker’s *Advancement of Learning*. This thinker also anticipated the scientific method in his *Novum Organum*.

ANSWER: Francis Bacon [or Baron Verulam; or 1st Viscount St. Albans]

<Other — Gray> [Edited]

14. **This ruler created a postal system for his empire known as the Chapar Khaneh. Xenophon wrote a biography of this ruler titled for his “education.” This ruler became the only non-Jew to be called “Messiah” in the Hebrew Bible on account of his victory over Nabonidus. A cuneiform document called the world’s first declaration of (*) human rights was found on a “cylinder” named for this ruler.** This founder of Pasargadae conquered the Medes, Lydians, and finally Babylon in 539 BCE, ending the Babylonian captivity. For 10 points, name this “Great” founder of the Achaemenid Empire.

ANSWER: Cyrus the Great [or Cyrus II; accept just Cyrus after “Great” is read]

<World History — French> [Edited]

14. One member of this profession speaks through an interpreter who always says “my buttocks” when he means to say “myself.” For 10 points each:

[H] Name this profession held by Mr. Brown and the hostile Mr. Smith. When members of this profession request a plot of land, they are given a part of the Evil Forest.

ANSWER: Christian **missionaries** [prompt on reverend or pastor or minister or other terms for religious leaders]

[M] Christian missionaries arrive and upset the social order in Umuofia in this novel. After this novel’s main character hangs himself, the District Commissioner considers writing about him in a memoir about the “pacification” of “primitive tribes.”

ANSWER: ***Things Fall Apart***

[E] *Things Fall Apart* is by Chinua Achebe, who is from this country. The novels *Americanah* and *Purple Hibiscus* are by another author from this country, Chimamanda Ngozi Adichie.

ANSWER: **Nigeria** [or Federal Republic of **Nigeria**]

<Long Fiction — Lin> [Ed. French]

15. **A person in this occupation is threatened with having her science notes flushed down a toilet by another character who tells that person’s boyfriend Charlie she’s “a psycho!” after locking her out. In a short film, a person with this occupation named Kari McKeen has her memory erased after revealing she was tricked by (*) Syndrome.** Rosalyn, who holds this occupation, is often a target of Calvin’s pranks. In a book series, Stacey and Claudia are members of a Kristy Thomas-founded “Club” of these people. Vicky acts as one of these people for Timmy Turner on *The Fairly Oddparents*. For 10 points, name these people who watch children while their parents are away.

ANSWER: babysitters [accept **nannies**]

<Pop Culture — Sheffield> [Edited]

15. Muslims claim that God revealed teachings to this figure through a work known as the *injl*. For 10 points each:

[H] Name this figure who was raised to heaven so that he can return to help the Mahdi kill the Dajjal.

ANSWER: **Jesus** [or **Isa** ibn Maryam]

[E] The Injil is considered one of the four holy books of Islam, alongside the Zabur, Torah, and this text revealed to Muhammad.

ANSWER: **Quran**

[M] Apart from the four holy books of Islam, Muslims also study these texts, which are collections of sayings and deeds of the prophet Muhammad.

ANSWER: **hadith**

<Religion — Dai> [Edited]

16. **“False” examples of these things exist at local instead of global energy minima, and can spontaneously collapse through bubble nucleation. Quantum fluctuations generating virtual electron-positron pairs cause these things to become polarized. Uncharged plates separated by one of these things feel an attractive force in the Casimir effect.** (*) Epsilon-naught represents the electric permittivity of this medium. In introductory physics, most mechanics problems take place in a frictionless example of this medium, since it lacks any drag forces or pressure. For 10 points, name these regions devoid of matter.

ANSWER: **vacuums** [accept perfect **vacuum** or frictionless **vacuum**; accept **free space**]

<Physics — Sheffield> [Edited]

16. Members of this political party reportedly claimed “After Hitler, our turn,” because they believed Hitler’s reign as chancellor would be short-lived. For 10 points each:

[H] Name this political party that was led in the 1932 German elections by Ernst Thälmann. This party was founded by the leader of the Spartacist revolt, Rosa Luxemburg.

ANSWER: **Communist** Party of Germany [or **KPD**]

[E] The Communists lost the elections of 1932 to this far-right political party, which was led by Adolf Hitler. This party carried out the Holocaust and was in power until Germany’s defeat in World War II.

ANSWER: **Nazi** Party [or **National Socialist German Worker’s Party** or **Nationalsozialistische Deutsche Arbeiterpartei**]

[M] Hitler and the Nazis were able to consolidate political power after this event through the Enabling Act. This event was blamed on a Dutch communist, resulting in the arrest of the entire Communist parliamentary delegation.

ANSWER: **Reichstag fire** [or **Reichstagsbrand**; accept any answers indicating the **burning** of the **Reichstag**]
<European History—Amanullah> [Ed. Delot-Vilain]

17. **In one novel, a drawing of one of these animals in Maple White’s sketchbook helps convince Daily Gazette reporter E. D. Malone to join an expedition. Eckels steps on a butterfly after paying ten thousand dollars to shoot one of these animals in “A Sound of Thunder.” Professor Challenger discovers a South-American plateau inhabited by these animals in Sir Arthur Conan Doyle’s novel (*) *The Lost World*. InGen discovers how to clone these animals from the blood of mosquitoes trapped in amber in a Michael Crichton novel in which they escape their enclosures on Isla Nublar. For 10 points, name these animals that are brought back from extinction in *Jurassic Park*.**

ANSWER: **dinosaurs** [accept specific dinosaurs like **Stegosaurus** or **Tyrannosaurus rex** or **Velociraptor**]
<Other Literature — Sheffield> [Edited]

17. A major milestone in this stage of development is the ability to recognize that objects still exist when they cannot be seen, called object permanence. For 10 points each:

[H] Name this cognitive stage, proposed to last from birth until the start of the preoperational stage at around two years old.

ANSWER: **sensorimotor** stage

[M] The sensorimotor stage is the first of this psychologist’s four stages of cognitive development, which describe patterns in how children progress to adulthood.

ANSWER: Jean **Piaget**

[E] Piaget observed that infants in the sensorimotor stage tend to develop an “anxiety” surrounding these people, due to fear of unfamiliarity and unpredictability. That anxiety may be reinforced by parental warnings about the “danger” of these people.

ANSWER: **strangers** [accept **stranger** anxiety or **stranger** danger]
<Psychology — Yin>

18. **This president called for federal anti-lynching protections in a speech outlining the creation of the President’s Committee for Civil Rights. The Supreme Court ruled this president’s seizure of steel production facilities unconstitutional in the Youngstown Steel case. This president vetoed the (*) Taft-Hartley Act as part of his Fair Deal, but was overridden by the Do-Nothing Congress. Despite the walkout of Strom Thurmond and several other Southern delegates at the Democratic National Convention, this president still won the 1948 election against Thomas Dewey. For 10 points, name this Democratic president who succeeded Franklin D. Roosevelt.**

ANSWER: Harry S. **Truman**
<American History — Athreya> [Edited]

18. For 10 points each, answer the following about 20th century Hungarian composer György Ligeti (“jurj LIG-uh-tee”):

[M] Ligeti rose to prominence after his micropolyphonic *Lux Aeterna* and *Requiem* were used without his permission in this film. Richard Strauss’s *Also sprach Zarathustra* plays as monkeys develop tools in this film.

ANSWER: **2001: A Space Odyssey**

[H] From his *Musica Ricercata*, Ligeti extracted and rearranged six movements as six of these pieces for wind quintet. Beethoven’s *Für Elise* is another example of these often short and light pieces.

ANSWER: **bagatelle**

[E] Ligeti’s avant-garde *Poème Symphonique* calls for 100 of these devices to be started all at once and gradually wind down. These devices produce clicks at regular intervals to help musicians keep time.

ANSWER: **metronomes**

<Classical Music — Sheffield> [Edited]

19. **The ethnomusicologist Alan Lomax recorded a performance of a song in this genre about a boll weevil by a musician nicknamed “Lead Belly.” Singers like Mamie Smith and Bessie Smith pioneered an “urban” form of this genre that grew out of the “country” form of it played by a musician who legendarily sold his soul to the devil. Robert Johnson and (*) Ma Rainey played this genre, many songs in which follow a namesake 12-bar chord progression. W. C. Handy wrote songs in this genre named for “Beale Street” and “Saint Louis.” For 10 points, the ‘B’ in “R&B” stands for what often-melancholy genre of African-American music?**

ANSWER: **blues** [accept country **blues** or city **blues** or urban **blues** or Delta **blues** or rhythm and **blues** or 12-bar **blues**; prompt on **folk** music]

<Misc. Art — French> [Edited]

19. For 10 points each, answer the following about advances in agricultural technology:

[M] Medieval Europe saw the introduction of the three-field system of this process, in which one field was planted with oats or lentils and another left fallow. George Washington Carver advocated performing this process with legumes to increase the nitrogen content of soil.

ANSWER: **crop rotation**

[E] The 20th century Green Revolution saw a dramatic spike in crop production due to the use of pesticides and this technology. This general class of substances includes any material added to soil to provide plant nutrients.

ANSWER: **fertilizer**

[H] This scientist’s work in Mexico led him to breed wheat varieties resistant to rust. This “father of the Green revolution” is credited with saving over a billion people from starvation by developing semi-dwarf wheat.

ANSWER: Norman **Borlaug**

<Biology — French> [Ed. Schwartz]

20. **This goddess is the mother of a figure who was worshipped under the title Despoina. This goddess transforms a Scythian king into a lynx for attempting to kill a man to whom she had earlier gifted a winged chariot pulled by snakes. A boy who makes fun of this goddess for drinking water is turned into a lizard. (*) Triptolemus is a student of this goddess. This goddess attempts to make Demophon immortal by placing him in a fire while searching for her missing daughter, who was abducted by Hades. For 10 points, name this Greek goddess of agriculture, the mother of Persephone.**

ANSWER: **Demeter**

<Mythology — An>

20. In an essay by this author, Officer Gerrans confiscates the author's notebook. For 10 points each:

[H] Name this author who examined hippie life in the Haight-Ashbury district of San Francisco in her essay "Slouching Towards Bethlehem." This author also wrote a 1979 book of essays titled *The White Album*.

ANSWER: Joan **Didion**

[M] Both the first sentence and the title of "Slouching Towards Bethlehem" reference a poem by this author. That poem by this author opens with an image of a falcon "turning and turning in the widening gyre."

ANSWER: W. B. **Yeats** [or William Butler **Yeats**] (The poem is "The Second Coming")

[E] "Slouching Towards Bethlehem" appears in a collection that also includes an essay about this city's Santa Ana winds. In Didion's novel *Play It as It Lays*, the actress Maria Wyeth moves to the neighborhood of Hollywood in this city.

ANSWER: **Los Angeles** [or **LA**; accept "**Los Angeles** Notebook"]

<Other Literature — Lin> [Ed. Orr]