

2022 SHOW-ME

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Packet 7

1. **This composer wrote a set of four works whose first entry in G minor begins with a Neapolitan sixth chord and ends with an intense *presto con fuoco* coda. Leopold Godowsky created 53 arrangements of three collections by this composer, who composed an A Minor piece in which the right hand plays descending sextuplets. This composer used dissonant minor seconds to evoke the title (*) "Wrong Notes" in one piece. This composer used a 3:4 ["three-to-four"] polyrhythm in his *Fantasie-Improptu* and was inspired by the mazurkas of his home country. For 10 points, name this Polish composer of the "Winter Wind" and "Revolutionary" Études.**

ANSWER: Frédéric (François) **Chopin** [accept Fryderyk Franciszek **Chopin**]

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

1. Quantities that do *not* have these things include the Reynolds [RIN-olds] number and coefficients of friction. For 10 points each:

[M] Identify these things. In their namesake "analysis," different units such as grams and inches are treated as factors and may be canceled out.

ANSWER: **dimensions** [accept **dimensional** analysis; accept **dimension**less quantities]

[H] A theorem named for Buckingham and this Greek letter states that any physical law can be written as a function of dimensionless parameters. The capital form of this letter represents repeated multiplication.

ANSWER: **pi** [accept Buckingham **pi** theorem]

[E] A common set of dimensions is mass, length, and this quantity. Special relativity assumes three dimensions of space and one of this quantity.

ANSWER: **time** [prompt on **T** or **MLT**]

<Physics — Joy An> [Ed. June Yin]

2. **Henry Kamen argued that this organization's role behind revolts like the Alpujarras War was exaggerated as part of the "Black Legend." The murder of Peter of Arbués led this organization to adopt new tactics against the alumbrados. This organization forced people to wear yellow sackcloths called sanbenito at public *auto-da-fé*'s put on by its first leader Tomás de (*) Torquemada. Following the Alhambra Decree, this organization oversaw the conversion of *conversos* and *moriscos* and the expulsion of Sephardic Jews. Ferdinand and Isabella created, for 10 points, what authoritarian religious organization that converted Spanish heretics?**

ANSWER: Spanish **Inquisition** [or Tribunal of the Holy Office of the **Inquisition**]

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

2. One character hears the sounds of this object “as slow as the tolling of the death knell” as he awaits his execution. For 10 points each:

[H] Name this object, which produces a “sharp, distinct, metallic percussion like the stroke of a blacksmith’s hammer upon the anvil” right before Peyton Farquhar is hanged.

ANSWER: Farquhar’s **watch** [prompt on a **clock**]

[M] Farquhar’s senses are inhumanly heightened right before his death in the Ambrose Bierce short story “An Occurrence at” [this structure], which ends as Farquhar swings “gently from side to side beneath [its] timbers.”

ANSWER: **Owl Creek Bridge** [accept “An Occurrence at **Owl Creek Bridge**”]

[E] Bierce also wrote a satirical “*Devil’s*” one of these texts, which defines air as “a nutritious substance supplied by a bountiful Providence for the fattening of the poor.” Merriam-Webster publishes one of them.

ANSWER: **dictionary** [accept *The Devil’s Dictionary*]

<Mixed Literature — Joy An> [Ed. Joel Miles]

3. In this country, a philosophy journal was named after the Charlie Chaplin movie *The Modern Times*. A thinker from this country described how people react to the responsibilities of freedom in *The Ethics of Ambiguity*. A philosopher from this country argued that people should behave authentically using the example of a (*) waiter acting in “bad faith.” That philosopher from this country coined the phrase “existence precedes essence” in *Being and Nothingness*. An existentialist from this country discussed the Othering of women in her work *The Second Sex*. For 10 points, name this home country of Jean-Paul Sartre [sart] and Simone de Beauvoir [bo-VWAHR].

ANSWER: **France** [or **French** Republic or Republique **francaise**]

<Philosophy — Vik Wei> [Ed. Joel Miles]

3. These works were written in frustration of Leo X’s efforts to generate alms to restore St. Peter’s Basilica. For 10 points each:

[M] Name these writings posted to the door of the All Saints Church that challenged Johann Tetzel’s promises of shortening people’s stays in purgatory.

ANSWER: **Ninety-Five Theses** [or **Disputation on the Power and Efficacy of Indulgence**; prompt on **theses**]

[E] *The Ninety-Five Theses* were nailed to the church door in Wittenberg by this theologian who sparked the Protestant Reformation.

ANSWER: Martin **Luther**

[H] Half of German indulgence sales went to pay off the elector Albert of Mainz’s debt to this family based in Augsburg. This family’s patriarch Jakob the Rich used a copper monopoly to finance the Habsburgs.

ANSWER: **Fuggers** [accept Jakob **Fugger**]

<European History — Ganon Evans>

4. A lack of nutrients in these ecosystems may explain why female insects of the genus *Neotrogla* use a penis-like organ to extract sperm from males here. Members of the order Chiroptera [kai-ROP-ter-uh] are made to leave these places by a fungal disease known as white-nose syndrome. Animals that spend some time in these ecosystems are called (*) troglaphiles, while permanent residents are called troglobites. Animals in these ecosystems typically lack pigmentation and have degenerate or missing eyes. For 10 points, mammals such as bears and bats often hibernate in what underground places?

ANSWER: **caves** [or **caverns**]

<Biology — June Yin> [Ed.]

4. Argh matey! We need somewhere to store all these bonuses! Name these famous pirate hotspots in the Caribbean, for 10 points each:

[M] Many pirates residing at this Jamaican port were able to become legal English privateers under Governor Henry Morgan. This port was eventually destroyed by an earthquake in 1692.

ANSWER: **Port Royal**

[H] This island northwest of Hispaniola was occupied by French traders before the Brethren of the Coast took it over. Many pirates turned to log cutting on this island now owned by Haiti.

ANSWER: **Tortuga**

[E] The pirate Jean Laffite was based in this state's Barataria Bay. The French Quarter in this state is home to America's largest Mardi Gras celebration.

ANSWER: **Louisiana** [or **LA**]

<Geography — Danny Peelen> [Ed. Ganon Evans]

5. In one poem, this author described how “under the surge of the blue mottled clouds” plants “grip down and begin to awaken.” This author describes a flower as “like a buttercup, upon its branching stem,” in a poem written in indented tercets. This author of “Spring and All” coined the phrase “no ideas but in things” in a five-volume epic about Paterson. He asks the reader (*) “forgive me / they were delicious / so sweet / and so cold” in a poem about eating plums from an icebox. This author claims that “so much depends on” the title object of one poem. For 10 points, name this American poet of “This is Just to Say” and “The Red Wheelbarrow.”

ANSWER William Carlos **Williams**

<Poetry — Joy An> [Ed. Ganon Evans]

5. After a mass performance of this activity at the Bethel Bible School, William Seymour argued it was evidence of the “third work of grace.” For 10 points each:

[M] Name this activity that a “mighty rushing wind” compels the Apostles to do on Pentecost. This act involves uttering syllables to mimic a divine language.

ANSWER: speaking in **tongues** [or **glossolalia**]

[E] Pentecostals argue that speaking in tongues is proof that someone has been baptized by this figure. A dove often represents this member of the Trinity alongside the Father and the Son.

ANSWER: **Holy Spirit** [or the **Holy Ghost**; prompt on partial answers; prompt on **God**]

[H] Paul discusses speaking and interpreting tongues in the first of his two epistles addressed to these people. Paul advises members of this Greek Church that “faith, hope, and love abide” and “love is patient, love is kind.”

ANSWER: **Corinthians** [accept 1 **Corinthians** or 2 **Corinthians**; accept the **First** Letter to the **Corinthians**; accept the **First** Epistle to the **Corinthians**; accept the **Second** Letter to the **Corinthians**; accept the **Second** Epistle to the **Corinthians**]

<Religion — Ganon Evans> [Ed.]

6. This court case overturned *Austin v. Michigan Chamber of Commerce*, which governed the use of treasury money. The plaintiff in this case argued that a law prohibiting the airing of *Hillary: The Movie* was unconstitutional. This case struck down a limit on independent expenditures established by the McCain-Feingold Act, causing the rise of (*) political groups with unlimited contributions known as Super PACs [“packs”]. Protesters against this decision often claimed that “corporations aren’t people.” For 10 points, name this 2010 Supreme Court case that held corporate spending on political campaigns was protected speech.

ANSWER: **Citizens United** v. *FEC* [or **Citizens United** v. *Federal Elections Commission*]

<American History – June Yin> [Ed. Louis Li]

6. Answer the following about “feedback,” an umbrella term for large amounts of energy released into the universe, for 10 points each:

[E] Feedback, because it heats up gas, disrupts the formation of these objects. The Sun is a G-type one of these objects.

ANSWER: **stars** [accept main sequence **stars**; accept **yellow dwarfs**]

[M] A major source of feedback is these phenomena that can occur when gravity causes a star’s core to collapse. These phenomena can also occur through pair instability or electron capture.

ANSWER: **supernovas** [or **supernovae**; reject “novas” or “novae”]

[H] Another source of feedback is these energetic objects that include quasars and blazars. These objects, known by a three-word name, consist of an accretion disk surrounding a supermassive black hole.

ANSWER: **active galactic nuclei** [or **active galactic nucleus** or **AGNs**]

<Astronomy — Joy An> [Ed. June Yin]

7. A song titled for this adjective by Japanese Breakfast repeats the line “make it up to me, you know it’s better” before asking, “be [this word] to me, baby.” Several songs by jazz musicians are referenced in a Hozier song titled for music described by this adjective. This is the first word in the title of a song that states “I travel the world and the seven seas.” That song by Eurythmics asks “who am I to disagree” before describing (*) “Dreams” with this adjective. Crowds cheer “bah bah bah” during a song titled for this adjective that states “good times never seemed so good.” For 10 points, Neil Diamond used what adjective to describe Caroline?

ANSWER: **sweet** [accept “Be **Sweet**”; accept “Almost (**Sweet** Music)”; accept “**Sweet** Dreams (Are Made of This)”; accept “**Sweet** Caroline”]

<Pop Culture — Joy An> [Ed. Ganon Evans]

7. Carvings of the flaming heart of a woman with this profession named Ludovica Albertoni surround a marble sculpture of her reclined on a sarcophagus in the Altieri Chapel. For 10 points each:

[H] Name this profession of a woman who appears in front of golden beams of light in a sculpture in the Cornaro Chapel as an angel prepares to plunge a spear into her chest.

ANSWER: **nuns** [or **abbess**; or **prioress**; prompt on **sisters**; prompt on **saints**]

[E] This Baroque sculptor created *The Ecstasy of St. Teresa*. Figures representing the Ganges and Nile surround an obelisk in his sculpture *The Fountain of the Four Rivers*.

ANSWER: Gian Lorenzo **Bernini**

[M] The pose of Bernini’s St. Teresa influenced a sculpture of a dying martyr in a portion of this *larger* artwork. A bronze sculpture of Dante with his head resting on his fist appears above two doors in this artwork.

ANSWER: *The **Gates of Hell*** [or *La **Porte de l’Enfer***]

<Visual Fine Arts — Ganon Evans> [Ed. Gabe Forrest]

8. This scientist names a model for crystalline solids that differs from the Debye [duh-BYE] model in its interpretation of vibrating phonons. With Smoluchowski, this scientist names an equation modeling the diffusion of charged particles in accordance with his work on Brownian motion. This scientist names the trace-reversed version of the Ricci tensor, which describes (*) spacetime curvature while conserving energy and momentum. This scientist’s namesake field equations form the basis for his theory of general relativity. For 10 points, name this German-American physicist who proposed that $E = mc^2$.

ANSWER: Albert **Einstein**

<Physics — Yash Mandavia> [Ed. June Yin]

8. Marshall Sahlins argued that groups described by this term were the “original affluent society.” For 10 points each:

[E] Give this two-word term denoting early human societies that relied on killing animals and foraging for food. Groups described by this term have dwindled since the development of agriculture.

ANSWER: **hunter-gatherers** [accept in either order]

[H] India’s Andaman Islands are home to this tribe of uncontacted hunter-gatherers who rely on mud crab fishing. In 2018, these people killed the American missionary John Allen Chau who landed on their island.

ANSWER: North **Sentinel** Islanders [accept **Sentinelese**; accept the **Sentineli**]

[M] The Paleolithic and Neolithic periods in which hunter-gatherers thrived were succeeded by this time period, which saw the development of writing such as hieroglyphics.

ANSWER: **Bronze Age**

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

9. **This character is confronted by a self-described “fallen angel” as he hikes to forget the death of Justine. While in the Orkney Islands, this character is threatened “I will be with you on your wedding night” after refusing a request. Letters from Robert Walton detail how he discovered this character escaping from a dog sled at the (*) North Pole.** This student at Ingolstadt University is inspired by a memory of lightning hitting a tree and the work of Paracelsus. Henry Clerval nurses this Swiss man back to health after he “infuses life into an inanimate body.” For 10 points, name this scientist who creates a monster in a Mary Shelley novel.

ANSWER: Dr. **Victor Frankenstein** [accept either underlined portion; reject “Frankenstein’s monster”]

<Long Fiction — Ganon Evans> [Ed.]

9. In this language, the suffixes -o, -a, -e, and -i indicate the word’s part of speech. For 10 points each,

[H] Name this language designed to reduce the “time and labor we spend in learning foreign languages.” It has only one article, “la”, and its name translates to “one who hopes.”

ANSWER: **Esperanto**

[M] Esperanto is one of these fictional languages, typically designed for easier communication or to add layers to imaginary worlds. Examples include Valyrian and Dothraki created for *Game of Thrones*.

ANSWER: **constructed** languages [or **conlangs**; accept **artificial** languages or **planned** languages]

[E] Zamenhof removed this property in Esperanto to make it easier to learn. This linguistic property can either be masculine, feminine, or neuter.

ANSWER: grammatical **gender** [reject “sex”]

<Social Science — Vincent Wang> [Ed. Ganon Evans]

10. **In this country, a roof arched like the back of a dragon and a turret representing St. George’s lance appear on top of the “House of Bones.” Josep Jujol [zhu-SHEP zhu-ZHOL] collaborated with an architect from this country to design a house nicknamed “The Stone Quarry.” The entrance to a park in this country contains a mosaic (*) salamander. Columns rest on the backs of turtles as a part of the Nativity Façade at a church in this country that is scheduled to finish on the hundredth anniversary of its architect’s death in 2026.** For 10 points, the Park Güell and the La Sagrada Familia were designed by Antonio Gaudí in what country's city of Barcelona?

ANSWER: **Spain** [or Kingdom of **Spain** or **España** or Reino de **España**]

<Other Fine Arts — Aatreya Bhattacharyya> [Ed. Ganon Evans]

10. A poem of this name by Archibald MacLeish says that its title subject “should be motionless in time / As the moon climbs” and “should not mean / But be.” For 10 points each:

[H] Name this title shared with an “Epistle to the Pisos” which begins by asking, “could you, my friends, refrain from laughter” if “a painter should wish to unite a horse’s neck to a human head?”

ANSWER: “**Ars Poetica**” [or “**The Art of Poetry**”]

[M] “Ars Poetica” is a guide to writing poetry by this ancient Roman poet, who coined phrases like “dulce et decorum est pro patria mori” in his namesake odes.

ANSWER: **Horace** [or Quintus **Horatius** Flaccus]

[E] In “Ars Poetica,” Horace says that this epic poet of *The Odyssey* “has instructed us in what measure the achievements of kings, and chiefs, and direful war might be written.”

ANSWER: **Homer** [or **Hómēros**]

<Poetry — Rachel Ezrielev> [Ed. Ganon Evans]

11. **The main character of a work by this author locks herself in a car after Dolores stabs her with a pair of scissors. Rita is rejected by the army on suspicions of being a communist in this author’s book *Gather Together in My Name*. The protagonist of a work by this author moves to San Francisco and becomes the first Black streetcar conductor. (*) Mr. Freeman is beaten to death after assaulting the main character of one of this author’s works. This author’s first book chronicles her childhood in Stamps, Arkansas. For 10 points, name this African-American poet who began a series of seven autobiographies with *I Know Why the Caged Bird Sings*.**

ANSWER: Maya **Angelou** [or Marguerite Annie **Johnson**]

<Long Fiction — Joel Miles> [Ed.]

11. For 10 points each, answer the following about quaternions [kwah-ter-knee-uns], an extension of complex numbers into 4 dimensions:

[H] Quaternions were invented by this Irish mathematician. This man names a function that appears with psi [“sigh”] as an input on the left side of the Schrödinger [SHROH-ding-ur] equation.

ANSWER: William Rowan **Hamilton** [accept **Hamiltonian**]

[M] The three non-real constants used to define quaternions are generally denoted by these letters, which multiply to negative 1. Vector analysis uses these three letters to represent the three axial unit vectors.

ANSWER: **i**, **j**, and **k** [accept in any order]

[E] Quaternions can be used to represent this kind of transformation. The sign of one of these transformations can determine whether it is clockwise or counter-clockwise around an axis.

ANSWER: **rotations** [or **rotational** motion]

<Math — June Yin> [Ed. Joy An]

12. **Two artists from this country built a robotic arm that repeatedly sweeps a thick blood-like liquid into a circular space below itself. Hundreds of scroll pages covered in meaningless text make up a piece from this country titled *Book from the Sky*. Over 1,200 bicycle frames were fused together into a sculpture by an artist from this country who photographed himself dropping an urn and filled a room with 100 million (*) sunflower seeds made of porcelain. Herzog and de Meuron designed a stadium in this country nicknamed the “Bird’s Nest” for the 2008 Olympics. For 10 points, name this country home to contemporary artist Ai Weiwei.**

ANSWER: **China** [or **People’s Republic of China** or **Zhongguo** or **Zhonghua Renmin Gongheguo**; reject “Republic of China”]

<Visual Fine Arts — Vincent Wang> [Ed. Gabe Forrest]

12. Esther Reed organized volunteer associations to donate clothes to troops in this war, which the Daughters of Liberty supported by using homespun cloth instead of imports. For 10 points each:

[E] Name this war in which Philadelphia women supported the Continental Army at Valley Forge.

ANSWER: **American Revolution** [or the **Revolutionary War**; or the War for **U.S. Independence**]

[M] Revolutionary War volunteer Rebecca Young taught Mary Pickersgill how to create the Star Spangled Banner that flew over this city's harbor at the Battle of Fort McHenry, inspiring Francis Scott Key.

ANSWER: **Baltimore**

[H] This British general's wife Margaret may have leaked his plans for a secret night march to capture Samuel Adams and John Hancock at Lexington. William Howe replaced this general after the Battle of Bunker Hill.

ANSWER: Thomas **Gage**

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

13. As a medical student, this leader traveled with Alberto Granado on a trip to a leper colony as documented in his memoir *The Motorcycle Diaries*. This leader proclaimed "Shoot, coward! You are only going to kill a man!" before his execution by Klaus Barbie's forces in Bolivia. This leader appears in a beret with a star pin in an iconic Alberto Korda photo titled (*) Guerrillero Heroico [garr-ee-yer-oh err-oh-ee-co]. While commander of the La Cabaña prison, this leader persecuted loyalists to Fulgencio Batista while working under a dictator who repelled the Bay of Pigs invasion. For 10 points, name this Argentinian Communist revolutionary who was second-in-command to Fidel Castro.

ANSWER: **Che Guevara** [accept either underlined; or Ernesto **Guevara**]

<World History — Ganon Evans>

13. Dances in this genre emerged as a faster version of the *danzón*. For 10 points each:

[H] Name this Cuban music genre that merged with swing and was replaced in American ballrooms by the cha-cha. The song "Cherry Pink and Apple Blossom White" in this genre is by Pérez Prado, who composed a song in this genre subtitled "No. 5" [*number five*].

ANSWER: **mambo** [accept **Mambo** No. 5]

[E] Mambo followed a craze for this other Cuban dance in which participants hold each others' shoulders and form an eponymous line.

ANSWER: **conga** [accept a **conga** line]

[M] The conga line was popularized by Desi Arnaz, a Cuban musician married to this comedian. This comedian sold "Vitameatavegamin" and worked in a chocolate factory in a pioneering 1950s TV show.

ANSWER: Lucille **Ball** [prompt on **Lucille**; prompt on **Lucy**; prompt on *I Love Lucy*]

<Other Fine Arts — Ganon Evans> [Ed.]

14. The "dropping" form of this device contains a tube connecting the bottom to the top, equalizing pressure. Partitioning immiscible [ih-MISS-uh-bul] liquids can be done using the separatory types of this device. Another form of this device contains a flat porous surface connecting the input to the output, is used in conjunction with a (*) vacuum pump, is named for Ernst Büchner [BYOOK-nur], and is outfitted with filter paper. A rubber adapter often enhances the seal between this device and a flask. For 10 points, name this cone-shaped piece of lab equipment that guides a liquid through a narrow opening.

ANSWER: **funnel** [accept subtypes such as dropping **funnels** or Büchner **funnels**]

<Chemistry — Michael Eng> [Ed.]

14. Augustus Waters exclaims “We’re flying! Look!” while traveling to this city. For 10 points each:

[M] Name this city home to the fictional author Peter van Houten. Hazel and Augustus take a trip to this city in *The Fault in Our Stars* and eat at the upscale restaurant Oranjeje in its Jordaan neighborhood.

ANSWER: **Amsterdam**, Netherlands

[E] In the film adaptation of *The Fault In Our Stars*, this artist’s song “Boom Clap” plays as Hazel and Augustus arrive in Amsterdam. This artist’s hyperpop song “claws” is on her album *How I’m Feeling Now*.

ANSWER: **Charli XCX** [or Charlotte Emma **Aitchison**]

[H] While in Amsterdam, Hazel and Augustus visit this location at Prinsengracht 263. The dentist Fritz Pfeffer lived in this location under the protection of Victor Kugler.

ANSWER: Anne **Frank House** [accept answers indicating the **house** where Anne **Frank** or the **Frank** family lived; prompt on the **Secret Annex**]

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

15. Before these events, houses are decorated with banana leaves and coconuts; later, milk is poured over a coconut during them. A participant who enters these events carrying a lamp from a parade traditionally has his shoes stolen after entering a canopy called a mandap. Red sindoor powder is placed in the hair of a participant in these events who has a prior (*) mehndi ceremony and wears a red sari. Jai mala garland exchanges and a shower of rice called a talambralu occur during these events whose central participants walk around a fire seven times. For 10 points, name these events in which Agni witnesses the vows of a Hindu bride and groom.

ANSWER: Hindu **weddings** [accept **marriages**; or **vivaha**; or **lagna**; or **kalyanam**]

<Religion — Ganon Evans> [Ed.]

15. After running out of this building, a character throws away the knife and arsenic he bought while planning his suicide. For 10 points each:

[H] Name this building, which titles a novel in which the monk Mizoguchi uses bales of straw to light it on fire.

ANSWER: **Temple** of the **Golden Pavilion** [or **Kinkaku-ji**]

[M] *The Temple of the Golden Pavilion* is a novel by this Japanese author, who also wrote *Confessions of a Mask*. In his story “Patriotism,” this author foreshadowed his own death by *seppuku* in a failed coup.

ANSWER: **Yukio Mishima** [or **Kimitake Hiraoka**; accept any underlined portion]

[E] “Patriotism” was included in a Mishima collection titled for “Death in [this time period].” A Shakespeare comedy is titled for a “Night’s Dream” during this time period.

ANSWER: **midsummer** [accept *Death in **Midsummer*** or *A **Midsummer** Night’s Dream*; prompt on “**summer**”]

<Long Fiction — Joel Miles> [Ed.]

16. Alberto Fernandez declared September 2nd a national holiday following a failed one of these events in Argentina. Perceived ties to the Unification Church were used as justification for one of these events. DEA agents were impersonated during one of these events in 2021 which led to the arrests of at least 21 (*)

Colombian ex-militants. One of these events was an attempt to carry out a *fatwa* on Salman Rushdie. In July 2022, a jury-rigged shotgun was used to perform one of these events during a speech in Nara Prefecture. For 10 points, name these events that killed Jovenel Moise and Shinzo Abe.

ANSWER: **assassinations** [or attempted **assassinations**; accept **murders**; accept **assassination** attempts; prompt on **shootings** or **stabblings**]

<Current Events—Connor Lee> [Ed.]

16. One of Ran's nets is used to obtain one of these objects after Andvari turns into a pike. For 10 points each:
[H] Name these objects, one of which is used to cover the last hair of an otter pelt to pay off a wergild. Odin owns one of these objects named Draupnir which creates eight copies of itself every nine nights.

ANSWER: **rings**

[M] Loki uses Andvari's ring to pay for accidentally killing Otr, a shapeshifting one of these creatures. Brokkr and Eitri, two of these creatures, forged Draupnir and two other magic items to win a bet against Loki.

ANSWER: **dwarfs** [or **dwarves**]

[E] Andvari's ring later transforms Fafnir into one of these creatures that is slain by Sigurd. These creatures are often associated with greed, so many of them like Fafnir have hoards of gold.

ANSWER: **dragons** [or **serpents**]

<Mythology — Joy An> [Ed. Ganon Evans]

17. **These phenomena are divided into harmonic constituents that may be diurnal or semidiurnal. These phenomena can produce namesake “bores” that travel up narrow inlets. These phenomena are strongest during syzygy [SIH-zih-jee], a condition in which three bodies are lined up, producing the (*) “spring” variety of these phenomena in contrast to their “neap” variety. The Sun is about one-third responsible for these phenomena, which primarily are caused by the Moon due to its proximity to Earth. These phenomena result from the pull of gravity on Earth's oceans. For 10 points, name these daily changes in sea level.**

ANSWER: **tides** [accept **tidal** forces; accept subtypes such as spring **tides**]

<Earth Science — June Yin> [Ed.]

17. In an adaptation of this play, Con breaks the fourth wall by telling the audience that this is where his character finally kills himself, before dropping a gun and saying, “Stop the... play.” For 10 points each:

[M] Name this play, which was adapted by Aaron Posner. In this play, Nina gives Trigorin a medallion that reads, “If you ever need my life, come and take it.”

ANSWER: *The **Seagull*** [or ***Cháyka***]

[H] Christopher Durang was inspired by the author of *The Seagull* to write a play titled for [this character] and Sonia and Masha and Spike. In another play, this character shoots at Professor Serebryakov [“seh-ruh-BRAI-uh-koff”].

ANSWER: Uncle **Vanya** [accept **Vanya** and *Sonia and Masha and Spike*]

[E] When speaking about *Vanya and Sonia and Masha and Spike*, Christopher Durang said that he took “[this author's] scenes... and put them into a blender.” In addition to *The Seagull*, this author wrote *The Cherry Orchard*.

ANSWER: Anton **Chekhov**

<Drama — Rachel Ezrielev> [Ed. Joel Miles]

18. **This author wrote, “A Troubadour-youth I rambled / With Life for lyre, / The beats of being raging / In me like fire” in his poem “The Dead Man Walking.” One of this author's characters kills her rapist at the resort Sandbourne after the death of their child Sorrow. This author described seeing a bird that “fling[ed] his soul / upon the growing gloom” in “The (*) Darkling Thrush.” In a novel by this author, the title character works as a milkmaid at Talbothays Dairy and marries Angel Clare, who meets her at Stonehenge the night before her execution. For 10 points, name this author of *The Return of the Native* and *Tess of the D'Urbervilles*.**

ANSWER: Thomas **Hardy**

<Mixed Literature — Rachel Ezrielev> [Ed. Joel Miles]

18. This molecule contains the nonstandard nitrogenous bases inosine [IN-uh-seen] and pseudouridine [soo-doh-YUR-ih-deen]. For 10 points each:

[M] Name this type of RNA that binds to a codon [CODE-awn] and attaches the corresponding amino acid.

ANSWER: **tRNA** [or **transfer** RNA]

[H] This scientist predicted that each tRNA molecule can “wobble pair” with multiple codons. This man originated the Central Dogma, in which information flows one-way from nucleic acids to proteins.

ANSWER: Francis **Crick** [or Francis Harry Compton **Crick**]

[E] tRNA attaches a new amino acid at the ‘A’ site of this small organelle that synthesizes proteins.

ANSWER: **ribosome**

<Biology — June Yin> [Ed.]

19. **In this city, the Mattachine Society and the Daughters of Bilitis were founded. In this city, the Vanguard led protests at Compton’s Cafeteria. The White Night Riots began in this city following a case decided using the “Twinkie Defense.” In this city, Del Martin and Phyllis Lyon were the first gay couple to be (*) legally married in the U.S. In 1978, Dan White murdered this city’s mayor George Moscone and its openly gay supervisor, Harvey Milk. Hippies flocked to this city’s Haight-Ashbury District during the “Summer of Love.”** For 10 points, name this city where the first Pride parade occurred near the Golden Gate Bridge.

ANSWER: **San Francisco**, California [prompt on **SF**]

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

19. The virtuoso Clair Omar Musser popularized this instrument in the U.S. with a traveling, all-female orchestra of over 100 people. For 10 points each:

[M] Name this wooden keyboard percussion instrument from Guatemala most commonly heard as the default iOS ringtone instead of the xylophone.

ANSWER: **marimba** [accept **marifon**]

[H] Ney Rosaura’s *Three Preludes for Marimba* were inspired by this composer’s *Bachianas Brasileiras* [bah-shee-AH-nuss brazh-zee-LAY-rus]. This Brazilian drew from street music to compose his *Chôros* [SHOW-roos].

ANSWER: Heitor **Villa-Lobos**

[E] Minoru Miki composed one of these pieces for a marimba and three Japanese instruments. Antonín Dvořák’s [dih-vor-JAHK’s] *New World Symphony* inspired one of these traditionally-Black religious songs, “Going Home.”

ANSWER: **spirituals** [accept **gospels**; accept Marimba **Spiritual**; accept Black **spirituals**; accept African-American **spirituals**; accept Negro **spirituals**]

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

20. **A city on this body of water contains a “Little Venice” neighborhood on its Pearl Islands. Two countries on this body of water dispute the Hawar Islands. The King Fahd Causeway leads to an island nation in this body of water, which contains the World and Palm Jumeirah artificial islands. High casualties amongst Indian migrant workers have occurred while constructing (*) 2022 FIFA World Cup stadiums along this body of water. Qeshm is a large island near the Strait of Hormuz, which separates this body of water from the Gulf of Oman and the Indian Ocean.** For 10 points, name this gulf located between the Arabian Peninsula and Iran.

ANSWER: **Persian Gulf** [accept **Arabian Gulf** before “Arabian”; accept just **Persian** after “(name this) gulf”; accept just **Arabian** after “(name this) gulf” and before “Arabian”]

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

20. One of these people, Li Zongren, allied the Guangxi [gwan-shee] Clique with the Chinese government during the Northern Expedition, but later fought them in the Central Plains War. For 10 points each:

[H] Name these local rulers who controlled China during a namesake “era” after the fall of the Qing Dynasty.

ANSWER: **warlords** [accept **Warlord** Era]

[E] The warlord Zhang Zongchang [jung jong-chang] made use of armored trains manned by refugees from this conflict who settled in Harbin. The Bolsheviks murdered Tsar Nikolai II during this conflict.

ANSWER: **Russian Civil War** [prompt on the Russian Revolution]

[M] Zhang fled into exile after his army was crushed by this political party’s National Revolutionary Army. Sun Yat-sen founded this party during the 1911 Revolution.

ANSWER: **Kuomintang** [or **KMT** or **Guomindang** or **GMD**; or the Chinese **Nationalist** Party]

<World History — June Yin> [Ed. Louis Li]