

TOSSUPS

1. These organisms name the first recorded compound with a cyclol linkage, which is packaged with caffeine in migraine drugs that have been superseded by triptans. Vasoconstrictive amides from these organisms limit postpartum bleeding but can cause weeks of burning pain, then gangrene. Drug-induced valvulopathy (“VALVE-yoo-lo-pathy”) is caused by serotonergic (“SAIR-oh-tuh-NER-jick”) alkaloids found in these organisms’ sclerotia (“skluh-RO-shuh”), which form in the florets of wind-pollinated grasses. These organisms name a lipid whose synthesis from lanosterol is inhibited by azoles. Albert Hofmann was the first to intentionally consume a diethylamide (“di-ethyl-amide”) purified from these organisms, which is often delivered sublingually. For 10 points, name these fungal parasites of wheat and rye whose ability to produce psychotropic relatives of lysergic acid has allegedly caused mass hysteria.

ANSWER: **ergot** [or *Claviceps purpurea*; accept clinical **ergotism**, **ergosterol**, **ergotamine**, or **ergot** alkaloids; prompt on **fungi**, **fungal** organisms, **ascomycetes**, or **Ascomycota**] (The first cyclol discovered was in ergotamine.)
<Biology>

2. In a book co-written by Avishai Margalit, a view named for this place is traced back to the influence of Gottfried von Herder’s “organic community” on Sati’ al-Husri. As an adjective, this place appears in the title of a Chandra Mohanty paper that critiques the image of “Woman” as “composite other.” The Heidegger scholar Ahmad Fardid theorized a phenomenon named for this place, which is compared to frostbite and flies infecting wheat in a book by Jalāl Āl-e-Ahmad. That phenomenon of unhealthy infatuation with this place is often translated by combining this word with “struckness” and “toxification.” An infamously opinionated and inaccurate survey of this title place’s philosophical tradition helped its author win the 1950 Nobel Prize in Literature. For 10 points, what place’s philosophy titles a history by Bertrand Russell?

ANSWER: the **West** [or the **Occident**; or the **Western** world; or **gharb**; accept *The History of Western Philosophy*; accept “Under **Western** Eyes”; accept **Occidentosis**, **West**struckness, **West**toxification, or **gharb**zadegi; accept **Occidentalism**]
<Philosophy>

3. This party banned the novel *A Pail of Oysters* and promoted “healthy realism” with Central Motion Pictures. The “natural independents” grew up after this party’s “temporary provisions” were repealed after a sit-in around a wild lily sculpture in Liberty Square. The novel *Crystal Boys* depicts gay victims of this party’s curfews in the future Peace Park. This party’s Green Island penal colony became a memorial to Human Rights Day protesters arrested by the Garrison Command. In 1927, this party enlisted the Green Gang in an April 12 purge of “anti-revolutionary” strikers. “New cinema” like *A City of Sadness* criticized this party’s 40 years of martial law, which ended after opposition *tangwai* candidates formed the Democratic Progressive Party under Lee Teng-hui. For 10 points, Chén Yí’s 228 Massacre began what party’s “White Terror” in Taiwan?

ANSWER: **Kuomintang** [or **KMT**, **Guómíndǎng**, **GMD**, **Nationalists**, **Nationals**’ Party, Chinese **Nationalist** Party, **CNP**, **Nationalist** Party of China, **NPC**, **Kok-bîn-tóng**, or **Gwok-man-dong**]
<World History>

4. This piece begins with muted low strings and two unmuted pizzicato basses playing an ominous 12/8-time melody in A-flat minor. In an *Allegro feroce* (“fair-OH-chay”) movement of this piece, low winds introduce a heavily accented theme based on the witches’ sabbath from Rimsky-Korsakov’s *Mlada*. A whole-tone leitmotif depicts this piece’s title character, in contrast to the octatonic leitmotif of the antagonist and the diatonic leitmotifs of the other characters. This ballet’s “Finale” begins with a B-major horn solo in 3/2 time, which builds to a brass fanfare in 7/4 time that alternates 3+2+2 and 2+2+3. A soft E-flat-minor bassoon solo plays over harp harmonics at the start of this ballet’s “Berceuse” (“bair-SUZ”), which follows the “Infernal Dance.” For 10 points, name this 1910 Igor Stravinsky ballet about a mythical flying creature.

ANSWER: *The Firebird* [or *L’Oiseau de feu*; or *Zhar-ptitsa*; accept *The Firebird Suite*]
<Classical Music>

5. An essay about a woman with this first name recalls how she pronounced the letters J and B as “Chay & Pee” when the author spoke with her at the Montreux (“mon-TRUH”) Palace Hotel. A writer with this first name described sailing past Rupert Brooke’s grave on the way to Malta in a book that recounts her friendship with Winifred Holtby and the death of her fiancé Roland Leighton. A play’s title character with this name is told to throw a dagger out a window after killing the Czar, whom she loves. The lead of an Oscar Wilde play subtitled *The Nihilists* shares this name with a memoirist who served as a World War I nurse and the subject of Martin Amis’s “Visiting Mrs. Nabokov.” A girl who enjoys “romance at short notice” has this first name in Saki’s “The Open Window.” For 10 points, give this first name of the author of *Testament of Youth*, who had the surname Brittain.

ANSWER: **Vera** [or **Véra**; accept **Vera** Brittain or **Vera** May Brittain; accept **Vera** Nabokov or **Véra** Nabokova or **Véra** Yevseyevna Nabokova; accept **Vera** Sappleton; accept **Vera**; or, *The Nihilists*]
<British Literature>

6. Ritual burials of this phenomenon were consecrated with a two-year-old sheep and enclosed with a puteal (“PYOO-tee-ull”) at sites like the Lacus Curtius. Cicero distinguished the Etruscans’ *Libri Haruspicini* from their books on this phenomenon, which was invoked by Lars Porsena from the Nine Gods. Assemblies were halted due to this *oblativa*, which, at night, was ascribed to Summanus. The 40 Martyrs of Sebaste came from this phenomenon’s namesake legion. Plutarch wrote that this phenomenon was charmed with onions and sardines instead of human sacrifice thanks to Egeria’s advice to Numa Pompilius. A god sent a plague or this phenomenon to kill the impious Tullus Hostilius. This phenomenon inspired the epithets “Tonans” and “Fulgur” for the head of the Capitoline Triad, who was served by the *flamen Dialis*. For 10 points, what celestial sign was commanded by Jupiter?

ANSWER: **lightning** [or thunder**bolts**; accept **thunderclaps**, **thunderstorms**, **electrical storms**, or Thunder**bolt** Legion; accept **fulmen**, **fulmina**, **fulgura**, Legio XII **Fulminata**, **fulgur** Dium, **fulgur** Summanum, **fulmina** auxiliaria, **Fulgurator**, or **Fulminator** until “Fulgur” is read; accept **Tonans**, **Tonator**, **Tonitrator**, or **Tonitrualis** until “Tonans” is read; prompt on **rainstorms**, **tempests**, **weather**, or **electricity**; reject “rain” or “precipitation”] (The first line refers to bidentālia. Porsena summoned a thunderbolt to slay the monster Volta.)
<Religion>

7. In a novel by this author, a “yellowish individual” is crushed by the stone he drops from a crane in a plot to kill the protagonist at the dedication of a school building. Dr. Ferdinand Blumentritt is exclusively famous for his letters to this author, whose idea of the “devil of comparisons” is invoked in several books by Benedict Anderson. In a novel by this author, a jeweler disguised with blue goggles plans to use a pomegranate-shaped lamp to smuggle dynamite into a wedding feast. A dedication by this author vows to use the ancient method of placing the sick on temple steps to treat his country’s “social cancer.” The friars Salví and Dámaso scheme against the beloved of María Clara in a novel this author followed up with *El Filibusterismo* (“filibuster-EEZ-mo”). For 10 points, name this author who wrote about Juan Ibarra in *Noli me Tangere* (“TAHN-jay-ray”), a national hero of the Philippines.

ANSWER: José **Rizal** [or José Protasio **Rizal** Mercado y Alonso Realonda; prompt on **Realonda**]
<World Literature>

8. This event made good on a promise two weeks earlier to “choke the current” of a local river “with carcasses” and realized a three-pronged campaign to recruit “men who could write,” “men who could speak,” and “men who could ride.” Three months before this event, an inflammatory editorial responding to a “Mrs. Felton from Georgia” was written by Alexander Manly. During this event, the “Secret Nine” and the “Group Six” collaborated with Woodrow Wilson’s future Secretary of the Navy. This event capped Josephus Daniels’s campaign to wrest power from an alliance of Republicans and Populists nicknamed “Fusionists.” During this event, which Charles Chesnutt fictionalized in *The Marrow of Tradition*, Alfred Moore Waddell incited violence against Black businessmen. For 10 points, a “White Declaration of Independence” was aired during what 1898 coup in North Carolina?

ANSWER: **Wilmington** Coup [or **Wilmington** Riot, **Wilmington** Massacre, **Wilmington** Uprising, or **Wilmington** Insurrection; prompt on 1898 coup, 1898 race riot, 1898 massacre, or equivalents] (Waddell promised to “choke the current of the Cape Fear River with carcasses” in a speech denouncing the “intolerable conditions” of the Fusionist government.)

<American History>

9. This quantity takes its ideal value at the boundaries when deriving the Redlich–Kister equation, where it is a power series. A virial expansion of this quantity is the first step in deriving the Pitzer equations. Grant Wilson’s assumption that local composition determines the “excess” in this quantity has been adopted by the UNIQUAC (“uni-quack”) method. This quantity over RT (“R-T”) is expressed in terms of mole fractions and empirical constants, then differentiated, in the Margules (“MAR-goo-less”) and van Laar models, which are used to find activity coefficients when the infinite dilution assumption is not met. The change in this quantity during solvation is lower than the corresponding enthalpy of solution due to the increase in entropy. For 10 points, name this thermodynamic potential whose derivative with respect to particle number is chemical potential.

ANSWER: **Gibbs** free energy [or **Gibbs** energy; accept excess **Gibbs** free energy; prompt on delta G or free energy]

<Chemistry>

10. This scholar rejected a PhD by Elliot P. Skinner, whose study of urban life later won his namesake ASA Best Book Prize. This scholar defended survivals during acculturation in a 30-year debate with E. Franklin Frazier based on Surinamese folklore collected with his wife Frances. This scholar, who called Carter G. Woodson a “propagandist,” codified the term “syncretism” in studies of Fon narratives and funded Katherine Dunham’s work on Haitian dance. He supervised Eduardo Mondlane’s theses on ethnocentrism and formalized cultural relativism with continental “culture areas” in *Man and His Works*. This student of Franz Boas, who names Northwestern’s renowned area studies library, wrote a 1941 book that denies that slavery erased Black “tribal” cultures. For 10 points, what anthropologist founded African Studies in *The Myth of the Negro Past*?

ANSWER: Melville **Herskovits** [or Melville Jean **Herskovits**; accept Melville J. **Herskovits** Library of African Studies or Melville J. **Herskovits** Prize] (The ASA is the African Studies Association.)

<Social Science>

11. The narrator is implied to feed people performing this activity to his hogs in Breece D’J Pancake’s story “Time and Again.” A narrator who “knew every raindrop by its name” ends a story titled for this activity with the outburst “and you, you ridiculous people, you expect me to help you.” A “poor disabled friendless” man lies that a sleeping woman has been pursuing this activity after a boy calls her an “angel of Gawd” at The Hot Spot. A tragedy during this activity titles the first story in *Jesus’ Son*. After a tramp abandons his new deaf-mute wife, Lucynell, he meets a boy engaged in this activity, who joins him, but then jumps into a ditch. While trying to help people doing this activity, Mr. Shiftlet sees the title sign of Flannery O’Connor’s “The Life You Save May Be Your Own.” For 10 points, the title “guide” for what activity reads “don’t panic” in a book by Douglas Adams?

ANSWER: **hitchhiking** [or **hitching**, **hitchhike**, **thumbing**, or word forms or any; accept *The Hitchhiker’s Guide to the Galaxy*; accept “Car Crash While **Hitchhiking**”; prompt on **drive**, **driving**, **riding** in a car, **traveling**, waiting for a **ride**, **passengers**, or equivalents of any; prompt on car **crashes** by asking “during what title activity?”] (Denis Johnson wrote *Jesus’ Son*.)

<American Literature>

12. After this kingdom won a war, it and the losing side both began calling their own territory “this side of the lighthouse” and the other’s “beyond the lighthouse.” After the death of a ruler of this kingdom, its succession laws were addressed in the Compromise of Caspe (“KASS-pay”). That ruler of this kingdom conquered the Judicate of Arborea. The “evil customs” in this kingdom were ended after a 15th-century rebellion of the *remences* (“ruh-MEN-suhs”). A mercenary band named for a possession of this kingdom was formed by Roger de Flor (“roo-ZHAY duh FLO”) after the ruler of this kingdom was invited to depose Charles I of Anjou by the Sicilian Vespers. The Kingdom of Majorca was created by this kingdom’s ruler James the Conqueror. For 10 points, name this kingdom whose later monarch, Ferdinand II, married Isabelle of Castile.

ANSWER: **Aragon** [or Kingdom of **Aragon**, Crown of **Aragon**, Reino d’**Aragón**, or Regne d’**Aragó**; prompt on Principality of **Catalonia**, Principat de **Catalunya**, Principado de **Cataluña**, Kingdom of **Valencia**, Regne de **València**, Reino de **Valencia**, County of **Barcelona**, Comtat de **Barcelona**, or House of **Barcelona** by asking “what larger kingdom was it part of?”]

<European History>

13. Two exceptional Coxeter groups partly denoted by this letter represent the symmetry groups of the 120-cell and dodecahedron. A theorem named for this letter asserts that its namesake relations exhibit a trivial diffeomorphism, and was proven using the “Whitney trick” by Steven Smale. For dimensions 5 and above, the generalized Poincaré (“pwan-kah-RAY”) conjecture is implied by a theorem about cobordisms (“co-BORD-isms”) denoted by this letter. In reference to the first letter in their developers’ last names, this letter denotes both an algebra that includes “versors” used to describe 3D rotations, and generic complete metric spaces with appropriate inner products. As a boldface capital, this letter denotes the quaternions, in reference to the surname of an Irish mathematician. For 10 points, one-half times b times a length denoted by what letter gives a triangle’s area?

ANSWER: **H** [accept **h**-cobordism theorem; accept **H3** or **H4**] (Capital H denotes Hilbert spaces. William Hamilton studied quaternions.)

<Other Science>

14. The sugar baron Marshall Campbell introduced these objects to Zulu men who still decorate them, and horned headdresses, in Durban. A method actor trained with one of these objects at their renters' union near Eden Gardens for the 1953 parallel cinema film *Do Bigha Zamin* ("doh BEEG-huh zuh-MEEN"). Officers' wives relied on a heavy, iron version of these objects in the hill station of Shimla after they replaced Japanese *kagos* in the 1870s. These objects are often painted with colorful flowers in Dhaka. A poor peasant operates these objects in warlord-era Beijing in a novel by Lǎo Shě ("lao shuh"). Singapore's hatchback versions of these objects inspired Cambodian *cyclos* and automated *tuk-tuks*. These vehicles cross flooded areas that stymie taxis during the monsoon. For 10 points, tourists in Kolkata hire what *wallah*-powered wheeled carts?

ANSWER: **rickshaws** [accept hand-pulled **rickshaws** or jin**rikisha**; accept cycle **rickshaws**, **pedicabs**, **bikecabs**, **cycle-taxis**, **trishaws**, **becak**, or **amahashi**; accept autor**rickshaws** or **baby taxis**; accept **tuk-tuks** or **cyclo**s until each is read; prompt on **carts**, **carriages**, **bicycles**, **taxis**, or equivalents of any until "carts" is read; prompt on human powered **vehicles** or public **transportation** until "vehicles" is read] (Bimal Roy directed *Do Bigha Zamin*.)

<Geography>

15. A Nova Scotian with this first name rode the trick horse Pawnee and made the Australian song "I've Been Everywhere" an American standard. The first color variety show host was a Texas swing star with this first name, who sang "The Wild Side of Life" with the first act to run sponsored tours with lighting, the Brazos Valley Boys. This first name was used by the "Nashville sound" star of "Please Help Me I'm Falling" and a songwriter who rejoined the *Louisiana Hayride* after he was fired by the Grand Ole Opry ("AH-pree"), who likened his sorrow to a whippoorwill who "sounds too blue to fly." An alcoholic Alabaman honky-tonker with this first name, whose overdose at age 29 inspired the biopic *I Saw the Light*, sang "Your Cheatin' Heart" with the Drifting Cowboys. For 10 points, the country singer of "I'm So Lonesome I Could Cry" had what first name and the surname Williams?

ANSWER: **Hank** [accept **Hank** Williams, **Hank** Locklin, **Hank** Thompson, or **Hank** Show; prompt on **Hiram** Williams, **Lawrence** Hankins Locklin, **Henry** William Thompson, or **Clarence** Eugene Snow by asking "what first name did he go by in his musical career?"]

<Other Fine Arts>

16. This scientist names a type of Pitot-static ("PEE-toh static") tube with an L-shaped double pipe. This is the alphabetically-second scientist behind a method that computes C -sub- p less accurately but more simply than Gothert's rule, and which rescales a dimension by the square root of "one minus M -infinity-squared." This scientist and Frederick Lanchester independently predicted lift distribution using their lifting-line theory. This is the alphabetically-second scientist who co-names a method that solves compressible flow problems using techniques made for incompressible flows, and which has a singularity at the speed of sound. This scientist names a "transformation" along with Hermann Glauert, and a "number" equal to kinematic viscosity over thermal diffusivity. For 10 points, what German "father of aerodynamics" developed boundary layer theory?

ANSWER: Ludwig **Prandtl** [accept **Prandtl** number; accept **Prandtl**-Glauert transformation; accept **Prandtl** tube] <Physics>

17. A *Homeric Hymn* demonstrates this god's divinity with an episode in which he wrestles two cows with unreasonable strength and cooks them into a banquet meal, but does not himself partake of it. This god is addressed by half of Hestia's longer *Homeric Hymn*. In one of his own *Homeric Hymns*, this god oddly uses a laurel branch to invent firesticks and fire. This god's sunset journey out of Pieria is spotted in Onchestus by an old man in a vineyard, who is urged to stay quiet. He's not Apollo, but Agni's "shining white" epithet *bhā́rjika* ("bar-JEE-kuh") is sometimes analyzed as a cognate of this god's epithet *argeiphóntes* ("AR-gay-FON-teez"). *Homeric Hymn* 4 is addressed to this god and describes how he crafts a pair of sandals and reverses the hoofprints of a herd of cattle that he steals from Apollo. For 10 points, name this Greek messenger god.

ANSWER: **Hermes** [reject "Mercury"] (The epithet "*argeiphóntes*" is traditionally analyzed as "Argus-killer.")

<Mythology>

18. *Note to moderator: Read the answerline carefully.* Epiphanius’s Syriac treatise on these things records the early Christian “flight to Pella.” Ashoka offered welfare via *rajukas* who defined these things with the same method as an Egyptian one called the *schoenus* (“SKEE-nus”) used by Isidore of Charax (“CARE-ax”). Cattle defined Vedic types of these things like the *gavyūti* (“guv-YOO-tee”) that were replaced with the *yojana* and *āṅgula* in the *Arthashastra* (“ar-tuh-SHAH-struh”). Ur-Nammu created hematite ducks alongside one of these things called the *sina*. A type of these things provides an idiom for swift horses like Red Hare. Roman *grōmāticī* (“groh-mah-tee-chee”) used a horizontal cross to record these things during centuriation (“century-ation”), while bematists tracked them on Alexander’s marches. The word “stadium” comes from one of these things, whose customary Chinese market system includes the *cùn* (“tswun”) and *lǐ* (“lee”). For 10 points, Egypt used the cubit to fix what things alongside weights?

ANSWER: **measure** [or **measurement**, **metrics**, **mensurae**, or word forms; accept **standards** or **standardize** or word forms; accept customary **units**, **distances**, **lengths**, **miles**, **feet**, **inches**, **sizes**, **areas**, **volumes**, **gauges**, **grids**, **datums**, **arcs**, **inclines**, **declines**, **slopes**, or equivalents of any; accept **weights** or **mass** until “weights” is read; prompt on **roads**, **routes**, **places**, **spaces**, **lines**, **geometry**, **surveys**, **cadastres**, **allotments**, **stages**, **stations**, **boundary**, **borders**, **limes**, **limites**, **limitatio**, **stathmoi**, or equivalents of any by asking “defined in terms of what things?”] (Qiānlǐmǎ are thousand-li horses.)

<Other History>

19. The androgynous Germanist hates this author, whose death drives the author of *Midi* insane, in Patricia Duncker’s novel titled for him. The sadomasochist Muzil (“mew-ZEEL”) represents this author in the *roman à clef* (“roh-MAHN uh KLAY”) *To the Friend Who Did Not Save My Life*, which divulged his cause of death. This author points at his crotch and says “this is not a pipe” at a bathhouse as a secondary character in *The Seventh Function of Language*. This subject of a biography by Didier Eribon (“deed-YAY air-ee-BOHN”) borrowed Georges Bataille’s (“buh-TYE’s”) “limit-experience” and outlined Raymond Roussel’s recurring “thresholds” in *Death and the Labyrinth*. Samuel Delany (“duh-LAY-nee”) took this author’s term for counter-spaces of deviation in *Trouble on Triton: An Ambiguous Heterotopia*. This author republished memoirs by the intersex writer Hermine Barbin (“bar-BAN”). For 10 points, name this author of *The History of Sexuality*.

ANSWER: Michel **Foucault** (“foo-KOH”) [or Paul-Michel **Foucault**; accept *Hallucinating Foucault*; prompt on Paul-**Michel**] (Hervé Guibert wrote *To the Friend Who Did Not Save My Life* and Laurent Binet wrote *The Seventh Function of Language*.)

<European Literature>

20. The collector Count Giuseppe Panza donated eight of these works to the MoCA, including *Factum I* (“one”). The triptych *Collection* is considered a transition between these works and the earlier *Red Paintings*. These works inspired Brian O’Doherty’s idea of the “vernacular glance,” while the two-panel *Winter Pool* is an example of their “flatbed picture plane,” according to Leo Steinberg. Five of these works dedicated to artists are titled *Trophy*. The death of Ileana Sonnabend (“ZONE-ah-bent”), the wife of Leo Castelli, led the MoMA to acquire one of these works that includes a pillow hanging by a string. For one of these works, a Seventh Avenue supply store provided an Angora goat wrapped with a tire. For 10 points, *Canyon* and *Monogram* are examples of what works that used both painting and sculpture by Robert Rauschenberg?

ANSWER: **Combines** (“COM-bines”) [prompt on sculptures by Robert **Rauschenberg**, paintings by Robert **Rauschenberg**, artworks by Milton Ernest **Rauschenberg**, or equivalents of any until “Rauschenberg” is read]

<Painting & Sculpture>

BONUSES

1. John Berger's book *Portraits* partly attributes the immediacy of these paintings to the artists addressing their subject with the second-person pronoun while painting. For 10 points each:

[10h] Name these artworks done on panel rather than cartonnage. One of these paintings features the inscription "Eutyches," and three of them were found in the Tomb of Aline.

ANSWER: **Fayum** mummy portraits [accept **Faiyum** Oasis or Waḥet El **Fayyum** in place of "Fayum"; prompt on **mummy** portraits; prompt on **encaustic** portraits; prompt on **funerary** portraits]

[10m] In *Portraits*, Berger credits the naturalism of the mummy portraits to the tradition of this artist. Lucian described a lost painting by this artist in which a figure representing Slander drags a man by his hair.

ANSWER: **Apelles** of Kos [accept *Calumny* of **Apelles**]

[10e] Some of the Fayum mummy portraits were painted using encaustic, which mixes pigments with this material. It is removed, or "lost," in an ancient technique used to cast bronzes.

ANSWER: **wax** [or bees**wax**; accept lost-**wax** casting or **cire** perdue]

<Painting & Sculpture>

2. Konstantin Mihailović recalled his time as one of these soldiers in his memoirs, which describe a campaign against Vlad the Impaler. For 10 points each:

[10e] Name these soldiers who were typically recruited from Christian enclaves called *millets* through the *devshirme* ("dev-sheer-meh") system.

ANSWER: **janissaries** [or **janissary** corps; or **yeniceri**; accept *Memoirs of a Janissary*]

[10h] The Ottomans captured Mihailović at the silver-mining fortress of Novo Brdo ("BRR-doh") founded by this ruler. This ruler, who was canonized as the "Saint King," blinded a son who founded Visoki Dečani monastery.

ANSWER: Stefan **Milutin** [or **Stefan Uroš II**; or Uroš II **Milutin** Nemanjić; prompt on **Stefan** Uroš or Stefan **Uroš** or **Nemanjić**] (His son was Stefan Dečanski, or Stefan Uroš III.)

[10m] Mihailović was freed from Ottoman service after this ruler took Zvečaj ("ZVAY-chai") Castle. This ruler, who secured the Bohemian crown from George of Poděbrady ("POH-jeh-brah-dee") after a campaign in Bosnia, created a celebrated library.

ANSWER: Matthias **Corvinus** [or **Matthias I**, **Hunyadi Mátyás**, Matei **Corvin**, Matija **Korvin**, Matyáš **Korvín**, or Matej **Korvín**; prompt on **Hunyadi**; prompt on **Matthias**, **Mátyás**, **Matei**, **Matija**, **Matyáš**, or **Matej**]

<European History>

3. Answer the following about ethnographic controversies, for 10 points each.

[10e] The discredited *Darkness in El Dorado* accused ethnographers like Napoleon Chagnon ("shan-YAWN") of horrific abuses during studies of the Yanomami in this transnational, biodiverse region.

ANSWER: **Amazon** Rainforest [or **Amazonia**; accept **Orinoco** basin or **Orinoquia**; prompt on **Brazil** or **Venezuela**]

[10m] An ethnographer with this surname was accused of data fabrication and abetting a Philadelphia gang murder after writing *On the Run*. Her father with this surname analyzed "ritualization of subordination" in gendered advertisements.

ANSWER: **Goffman** [accept Erving **Goffman**; accept Alice **Goffman**]

[10h] For this ethnography, Laud Humphreys posed as a voyeur and recorded license plates without informed consent. It contrasted subjects' public "breast-plate of righteousness" with their anonymous gay sex in the title places.

ANSWER: **Tearoom Trade** [or **Tearoom Trade**: *Impersonal Sex in Public Places*; or **Tearoom Trade**: *A Study of Homosexual Encounters in Public Places*]

<Social Science>

4. This ethnicity's 18th-century drama theorists put forth an "estates-clause" that opposed vulgar "head and state" plays put on by wandering improv troupes. For 10 points each:

[10e] Name this ethnicity of the Enlightenment theater reformer Luise Gottsched ("Louisa GOT-shed") and the anti-Enlightenment authors of "storm and stress" plays.

ANSWER: **Germans** [or **Deutsche**; accept **Prussians** or **Preussen** or **Preussinen**; accept Baltic **Germans** or **Deutsch-Balten**]

[10h] Caroline Neuber ("NOY-ber") began the shift to naturalistic German theater by symbolically exiling this stock character from the stage, kicking off a 1730s "dispute." This buffoon grew out of the figures of Pickelhering and Harlequin.

ANSWER: Hans **Wurst** [accept Johnny **Sausage** or Jack **Sausage**; prompt on **Hans** or **Johnny** or **Jack**]

[10m] Neuber's innovations as a director prefigured those of a "Theater Duke" of this name who led the Meiningen ("MY-ning-un") Ensemble. A play by an author with this first name ends with the guillotining of the title friend of Camille Desmoulins ("deh-moo-LAHN").

ANSWER: **Georg** [or **George**; accept **Georg** Büchner; accept **George II**, Duke of Saxe-Meiningen or **Georg II** von Sachsen-Meiningen] (The play is *Danton's Death*.)

<European Literature>

5. Metal grooves can be used to guide both the "channel" and "gap" type of these things. For 10 points each:

[10h] Name these things that can be generated using the Otto or Kretschmann configurations.

ANSWER: **surface plasmons** [accept **surface plasmon** resonances, **surface plasmon** polaritons, channel **surface plasmons**, or gap **surface plasmons**; prompt on **plasmons** or surface **waves**]

[10e] Spasers ("SPAY-zers"), a type of laser analog based on surface plasmons, are examples of types of small-scale "plasmonics" and "technology" named for this metric prefix. An SI unit with this prefix equals 10 angstroms.

ANSWER: **nano-** [accept **nano**technology, **nanometers**, **nanoplasmonics**, or **nanolasers**; prompt on **n** or **nm**]

[10m] The formation of surface plasmons involves this type of "wave" or "field," which extends with exponentially-decaying intensity over the metal-dielectric interface.

ANSWER: **evanescent** field [or **evanescent** wave; or word forms of **evanescence**]

<Physics>

6. A poet from this tradition wrote of the "red thread" connecting men and women to justify his relationship with the blind singer Mori. For 10 points each:

[10e] Name this tradition whose adherents include the medieval poets Saigyō and Ryōkan. The NYRB Classics book *The Sound of the One Hand* collects 281 of this tradition's *kōans*.

ANSWER: **Zen** Buddhism [or **Chan** Buddhism; prompt on **Buddhism** or **Buddhist** or **Mahāyāna**]

[10h] The term "Red Thread Zen" refers to the outlook of this wandering poet nicknamed "Crazy Cloud." Stephen Berg translated this monk's poems in *Crow with No Mouth*.

ANSWER: **Ikkyū** ("EEK-cue") [or **Ikkyū** Sōjun]

[10m] These objects advise Ikkyū to "Cast off the notion that 'I exist'" in a sequence of poems named for them.

Bashō's first *haibun* is translated as the "records of a weather-exposed" one of these objects.

ANSWER: **skeletons** [accept **bones**; or **gaikatsu**; accept *The Records of a Weather-Exposed **Skeleton*** or *Travelogue of Weather-Beaten **Bones***]

<World Literature>

7. This book's "notorious proof" has been accused of a dizzying array of fallacies, such as equivocation and composition. For 10 points each:

[10m] Name this book that argues from an analogy of visibility and desirability to a conclusion about the "aggregate of all persons." This book begins by defending a so-called "doctrine of swine" that traces back to Plato's Protagoras ("pro-TAG-uh-russ").

ANSWER: **Utilitarianism**

[10e] Mill's proof of the principle of utility is also accused of presupposing this view, which identifies the morality of an act with its results.

ANSWER: **consequentialism**

[10h] Susan Wolf's "Moral Saints" uses this phrase to criticize the view of happiness seen in Mill's proof. Bernard Williams coined this four-word phrase for the prescriptions that moral theories offer a man who can either save his wife or a stranger.

ANSWER: **"one thought too many"**

<Philosophy>

8. A botanist from this country collected 150,000 samples from areas like Alma-Ata's apple forests across five continents to identify namesake centers of plant cultivation, like Indo-Burma. For 10 points each:

[10e] Name this country that imprisoned Nikolai Vavilov despite his support for Lysenkoist vernalization.

ANSWER: **USSR** [or **Soviet** Union, Union of **Soviet** Socialist Republics, **CCCP**, **SSSR**, or Soyuz **Sovetskikh** Sotsialisticheskikh Respublik; prompt on **Russia**, **Rossiya**, **Russian** Federation, **Rossiyskaya** Federatsiya]

[10m] Soviet excavations found seeds of this fiber crop in the Scythian Pazyryk ("PAZ-ih-rick") burials. This crop's mixture with ephedra and poppies at Gonur Depe may reflect a Vedic ritual possibly spread by the Indo-Aryan migrations.

ANSWER: **cannabis** [or **marijuana**, **hemp**, **bhāṅg**, **ganja**, or **bhonga**; accept slang terms like **pot** or **weed**; accept *C. sativa* or *C. indica*; prompt on **soma** or **haoma** by asking "what putative botanical component of soma?"] (Sergei Rudenko excavated the Pazyryk burials.)

[10h] Chalcolithic farmers grew the mung beans of Vavilov's Indian center at Maheshwar, south of this ancient capital of Malwa. Pradyota led the Avantī *mahājanapada* from this city, where Vikramāditya legendarily patronized Kālidāsa.

ANSWER: **Ujjain** [or **Ujjayinī**; prompt on **Avantikā**] (The Malwa and Jorwe cultures are known from sites like Navdatoli around Maheshwar.)

<Other History>

9. In this film's opening scene, Mecha falls and badly cuts herself on her broken wine glass, but her companions ignore her and continue to drink and laze around a stagnant pool. For 10 points each:

[10h] Name this debut film of Argentine director Lucrecia Martel. In this 2001 film, two families spend the summer together at La Mandrágora, a decaying country estate near Salta.

ANSWER: *La **ciénaga*** [or *The **Swamp***]

[10m] A film by Martel titled for this kind of girl is set at a hotel that hosts a medical conference. The Thief and the Alchemist travel to a title location described by this word in an Alejandro Jodorowsky ("ho-dor-OW-skee") film.

ANSWER: **holy** [accept *The **Holy** Girl* or *La niña **santa***; accept *The **Holy** Mountain* or *La montaña **sagrada***]

[10e] Verónica's blonde hair in Martel's *The Headless Woman* draws from this Alfred Hitchcock film, in which Kim Novak plays two blonde characters who both die at the Mission San Juan Bautista.

ANSWER: **Vertigo**

<Other Fine Arts>

10. *Description acceptable.* Ivermectin is indicated for COVID-19 if this state would cause disseminated strongyloidiasis (“STRON-juh-loj-DY-uh-siss”). For 10 points each:

[10e] Identify this state caused by corticosteroids (“cortico-steroids”) or anti-rejection medication. The CDC recommends boosters for elderly people and the roughly-two percent of Americans in this state.

ANSWER: **immunosuppression** [or **immunosuppressed**; accept **immunocompromised** or **immunodeficiency** or **immunodeficient**]

[10h] Karikó and Weissman showed that mRNA with pseudouridine (“pseudo-YUR-uh-deen”) avoided recognition by these two proteins, limiting interferon production. Resiquimod (“rez-ICK-wuh-mod”) inhibits these two receptor proteins, which bind foreign ssRNA with their LRR domain. Name either.

ANSWER: **TLR7** OR **TLR8** [accept **toll-like receptor** in place of “TLR”; prompt on **toll-like** receptors or **TLRs**]

[10m] Patients who are severely immunocompromised by this procedure are in danger of sepsis and overwhelming infection by encapsulated bacteria. The classic recipient of this procedure is an injured football player with mono.

ANSWER: **splenectomy** (“splen-ectomy”) [or **removal** of the **spleen** or equivalents; accept acquired **asplenia**]

<Biology>

11. The Salado tribe brought Pueblo architecture to these people, whose pithouses were traditionally shallower than those of the contemporary Mogollon (“mo-go-YOAN”) and Anasazi. For 10 points each:

[10h] Name these people whose settlement of Snaketown contained a large ball court and whose name means “those who have vanished” in the Pima language.

ANSWER: **Hohokam** [prompt on Tohono **O’odham** by asking “they claim descent from what historical people?”]

[10e] The Hohokam operated their extensive canal system from Pueblo Grande and a platform mound named for one of these natural features. One of these features names a Colorado National Park that preserves Pueblo cliff dwellings like the Cliff Palace.

ANSWER: **mesas** [accept **Mesa** Verde; accept **Mesa** Grande]

[10m] Bracelets made from these animals are common at Mesa Grande. Indigenous peoples in the Pacific Northwest harvested these animals in namesake “gardens,” while those on the East Coast used these animals and whelks to make *wampum*.

ANSWER: **clams** [accept hard **clam**, round **clam**, hard-shell **clam**, razor **clam**, utter **clam**, littleneck **clam**, horse **clam**, **quahog**, or *Mercenaria mercenaria*; accept **clam** gardens or **clam** beaches; prompt on **shellfish**, **bivalves**, **Bivalvia**, **mollusks**, or **Mollusca**]

<American History>

12. Michael Harner created a New Age approach named after a “core” version of these people, whom Mircea Eliade (“MEER-chay-ah ay-lee-AH-day”) defined as masters of “the technique of religious ecstasy.” For 10 points each:

[10e] Give this broad term for indigenous medicine men who mediate with the spirit world, like Inuit *angakkuq* and the Tungusic healers who inspired the term.

ANSWER: **shamans** [or **saman**; accept plastic **shamans** or core **shamans**]

[10m] Shamanic practice often involves using this class of substances that induce altered spiritual states to facilitate experience with the divine, like the *ayahuasca* that inspired Harner.

ANSWER: **entheogens** [prompt on **hallucinogens** or **psychedelics** or **psychoactive** substances]

[10h] The *themade* (“teh-MAH-deh”) who govern these people’s namesake “Xabze” (“KAHB-zuh”) honor code also serve as shamans. These people’s pagan faith demands religious smallpox inoculations, the value of *Nape* (“NAH-peh”), and worship of Theshkhue (“THESH-kweh”).

ANSWER: **Circassians** [or **Adygheans** or **Adyghekher** or **Cherkess** or **Charkas**; accept **Kabardians**, **Ubykh**, **Shapsug**, **Jiqi**, **Abzakh**, **Besleney**, **Bzhedug**, **Bazdug**, **Temirgoy**, **Chemirgoy**, **Kemgui**, **Hatuqway**, or **Natukhai**]

<Religion>

13. In a later work, this poem's addressee gets angry after being brought "All the way down from London" and treated as "a sort of mournful cosmic last resort." For 10 points each:

[10e] Name this poem whose "bitter allusion to the sea" is critiqued in that poem by Anthony Hecht. This poem describes a "darkling plain" where "ignorant armies clash by night."

ANSWER: "**Dover Beach**" (by Matthew Arnold)

[10h] This Punjabi British poet referenced "Dover Beach" in his poem "Look We Have Coming to Dover!," whose immigrant speaker imagines "babbling our lingo, flecked by the chalk of Britannia" upon reaching England.

ANSWER: Daljit **Nagra**

[10m] *Exact word required.* The epigraph of Nagra's poem quotes the line, "So various, so beautiful, so new" from "Dover Beach," which describes this thing that "seems to lie before us like a land of dreams."

ANSWER: the **world**

<British Literature>

14. This composer's *Liebesfreud* ("LEE-bus-froyt") and *Liebesleid* ("LEE-bus-light") are two of the many pieces that he initially tried to pass off as works by bygone composers. For 10 points each:

[10m] Name this composer who initially credited his *Praeludium and Allegro* to Gaetano Pugnani ("poon-YAH-nee"), before confessing that it was his own work as well.

ANSWER: Fritz **Kreisler** [or Friedrich **Kreisler**]

[10e] Kreisler wrote a violin caprice titled for this home city of his, which is depicted in many waltzes by Johann Strauss II.

ANSWER: **Vienna** [or **Wien**]

[10h] Kreisler gave the 1910 premiere of this piece, whose score includes a Spanish quote meaning "herein is enshrined the soul of..." This B-minor piece opens with one of its composer's many passages marked *nobilmente*.

ANSWER: Edward **Elgar**'s **Violin Concerto** [or Edward **Elgar**'s **Violin Concerto** in B minor, Op. 61; or **Elgar**'s **Opus 61**; accept Edward William **Elgar** in place of "Edward Elgar"; prompt on violin **concerto** or **Opus 61**]

<Classical Music>

15. Answer the following about methods of molecular editing, for 10 points each.

[10e] Many editing methods rely on rearrangements to transform molecules between these states, which have the same atoms but different connectivity.

ANSWER: structural **isomers**

[10m] *Description acceptable.* Use of the Beckmann rearrangement to form caprolactam from cyclohexanone is an example of this kind of transformation. The formation of a quinoline by homologation of an indole exemplifies this kind of transformation.

ANSWER: ring **expansions** [or **expanded** rings or word forms; or descriptions of rings getting **larger** or **increasing** in size]

[10h] The Levin lab has described single-atom swaps as "dream reactions" because they would allow site-by-site scans to replace these models. Researchers at the University of Zagreb have developed many connectivity indices for use as descriptors in these models, which are common in drug design.

ANSWER: **QSARs** [or **quantitative structure-activity relationships**; accept **QSPRs** or **quantitative structure-property relationships**]

<Chemistry>

16. This archipelago's Selk'nam people survived genocidal militias hired by sheep ranchers, who exterminated their domesticated culpeo foxes. For 10 points each:

[10e] Name this archipelago whose Yaghan native Jemmy was taken hostage on the HMS *Beagle*, which names its channel divided between Chile and Argentina.

ANSWER: Tierra del **Fuego** [accept Land of **Fire** or **Fireland**; accept **Fuegian** dog or perro **fueguino**]

[10m] Argentine foresters colonized Tierra del Fuego with prison labor after this campaign, which led to millenarian Toba and Mocoví resistance movements. Julio Roca led this frontier campaign against the Tehuelche (“teh-WELL-cheh”) and Mapuche.

ANSWER: Conquest of the **Desert** [or Pacification of the **Desert**, Conquista del **desierto** or Campaña del **Desierto**; accept Conquest of the **Chaco**, Conquista del **Chaco**, Conquest of the Green **Desert**, Pacification of the Green **Desert**, Conquista del **desierto** verde, or Pacificación del **desierto** verde]

[10h] The conquest fueled myths of a “country without Indians,” like the genocide of these Uruguayan people whom Juan Zorrilla romanticized as warriors in *Tabaré*. Guyunusa survived these people's 1831 Salsipuedes Massacre.

ANSWER: **Charrúa** [accept **Charruan**, **Chaná**, **Güenoa**, **Timbú**, **Minuane**, **Mbeguá**, **Yaró**, **Bohán**, or **Bohané**]

(Versions of “country without Indians” myths denied the indigenous presence in Uruguay, Argentina, and Chile.)
<World History>

17. In a type of these structures that form around young stars, particles that are about a meter in size are predicted to drift radially inwards before they can grow into planetesimals. For 10 points each:

[10e] Name these flat structures composed of matter rotating around, and accumulating onto, a massive object.

ANSWER: accretion **disks** [accept circumstellar **disks** or protoplanetary **disks**] (The phenomenon in the first line is referred to as the “meter-size barrier” or the “drift barrier.”)

[10h] After planetesimals form, they grow by the accretion of these particles, which have a negligible mass. These particles are usually defined to have a Stokes number or stopping time between 10-to-the-minus-3 and 1.

ANSWER: **pebbles** [accept **pebble** accretion]

[10m] As a planetesimal grows, pebble accretion transitions from the Bondi (“bon-dee”) regime to this astronomer's namesake regime. This English astronomer names the sphere around an object in which the object's gravitational force dominates.

ANSWER: George William **Hill** [accept **Hill** sphere or **Hill** radius; accept **Hill** regime or **Hill** accretion]

<Other Science>

18. On recognizing that she will not recover from this kind of tragedy, Ruth moves to a farmhouse that she defends from crows, bats, and a squatter in the story “Real Estate.” For 10 points each:

[10h] Name this kind of tragedy that is also explored in the story “People Like That Are the Only People Here,” in which the narrator sympathizes with the droids while watching *Star Wars* in the Tiny Tim Lounge.

ANSWER: **cancer** diagnoses [or descriptions of getting **cancer**, **tumors**, **malignancy**, **neoplasms**, or Wilms' **tumor**; prompt on **disease**, terminal **illness**, **diagnosis**, **prognosis**, or equivalents of any]

[10m] The aforementioned stories appear in this American author's collection *Birds of America*. She also wrote the collections *Bark* and *Self-Help*, and the novel *Who Will Run the Frog Hospital?*

ANSWER: Lorrie **Moore** [or Marie Lorena **Moore**]

[10e] This other American author wrote the book *Illness as Metaphor* while undergoing treatment for breast cancer. Her “Notes on ‘Camp’” describes art that is “good *because* it's awful.”

ANSWER: Susan **Sontag** [or Susan Lee **Sontag**]

<American Literature>

19. The Falepili Union grants Australia veto power over this country's security pacts in return for housing its climate refugees, who have motivated its efforts to become the metaverse's first "digital nation." For 10 points each:

[10e] Name this Polynesian country that commercialized its .tv ("dot-T-V") top-level domain name.

ANSWER: **Tuvalu** [or **Tuuvalu**]

[10h] In Oceanian countries like Tuvalu and Nauru ("nah-OO-roo"), this job is dominated by foreigners, whose dismissal caused Kiribati's ("KEER-ih-bass's") 2022 constitutional crisis. This job's expatriate model includes Australian non-residents in Palau ("puh-LAO").

ANSWER: **judges** [or word forms of **judging**; accept **justices**, **jurists**, **judiciary**, **judicial**, or High Court **Justices**; prompt on **lawyers**, **legal** officials, **courts**, **officials**, or **ministers**; reject "jury" or "juries"]

[10m] Justice Minister Samiu Vaipulu defined Tonga's "killing virus" as this drug, whose trafficking fuels HIV in Fiji, Sāmoa, and New Guinea. Hawai'i and Australia are hotbeds of a pure form of this drug with many gay users.

ANSWER: **meth** [or **methamphetamines**; accept **crystal** meth or **methamphetamine hydrochloride**; accept **yaba**; accept slang terms like **speed**, **crank**, **T**, **tina**, **ice**, **glass**, **shards**; prompt on **stimulants**]

<Current Events>

20. Answer the following about environmentalists with Scandinavian ancestry, for 10 points each.

[10e] Mardy Murie and her Norwegian-American husband Olaus pioneered ecological elk management at their ranch in this Wyoming subrange of the Rockies, where *Shane* was filmed. It names a "grand" national park south of Yellowstone.

ANSWER: **Tetons** [or **Teton** Range; accept Grand **Teton** National Park]

[10m] The Swedish-American Wilderness Society leader Sigurd Olson created the first environmental institute at Northland College after a teach-in with this Norwegian-American Wisconsin senator who founded Earth Day.

ANSWER: Gaylord **Nelson** [or Gaylord Anton **Nelson**]

[10h] Rachel Carson's *Silent Spring* inspired this Norwegian philosopher to expand Aldo Leopold's advice to "think like a mountain" into an interdependent vision that he called ecosophy or deep ecology.

ANSWER: Arne **Næss** ("AR-nuh NESS") [or Arne Dekke Eide **Næss**]

<Other Academic>