

## TOSSUPS

1. Cécile Chaminade's ("shah-mee-NOD's") Opus 61 is a G-minor piece with this title that begins with an ascending octave-and-a-half arpeggio across both hands. A piano piece with this title has two darker episodes marked "Minore I" ("mee-NO-ray one") and "Minore II" within a faster outer section that begins "*Leicht und zart*" ("liked oont tsart"). That piece with this title is Robert Schumann's Opus 18, written as a companion piece to his *Blumenstück* while forcibly separated from Clara. An 1888 piece with this title begins with the left hand playing the ascending triplet "C-sharp, E, A," which is continued by the right-hand triplet "C-sharp, E, F-sharp." Beginning pianists often learn an A-minor piece with this title by Friedrich Burgmüller. In ballet, this is the name of the position in which one leg extends straight backwards. For 10 points, give this title of two Debussy piano pieces evoking Islamic art.

ANSWER: **arabesque** [or *Arabeske*]

<Classical Music>

2. In a letter, a woman excuses her failure to write to her sister in this city sooner by noting "how little people think of letters in such a place as" this city. Edinburgh replaces this city in Val McDermid's entry in a series of contemporary retellings of a certain author. In this city's White Hart Inn, a woman reads a letter that confesses, "I am half agony, half hope." After leasing his family home of Kellynch Hall to Admiral Croft, Sir Walter Elliot moves to this city's Camden Place. The unfinished novel *The Watsons* was written in this city, where Catherine Morland meets Isabella Thorpe at the Pump Room in *Northanger* ("NORTH-ang-er") *Abbey*. This city, which hosts the Jane Austen Festival, is the home of a woman who had five husbands and tells a story about a knight who learns what women want most. For 10 points, name this home of a "Wife" in *The Canterbury Tales*.

ANSWER: **Bath** [accept Wife of **Bath**] (The first, third, and fourth sentences are about *Persuasion*.)

<British Literature>

3. *Specific term required.* A 2022 book on this concept by Michael Keevak blames its colonial uses on the missionary Arthur Henderson Smith's writing on national "characteristics." Persian enhancement of *shakhsiat* ("shack-see-yat") and *âberu* ("ah-buh-roo") challenges the universality of this concept's "negative" freedom of action. No attempt is made to avoid damaging this concept in "bald on-record" strategies. Acts can threaten this concept in Brown and Levinson's politeness theory. This concept was treated as a ritual feature of social interactions in an essay on corrective and conflict-avoidant aspects of its "work" by Erving Goffman. Analysis of this concept's "negotiation" in intercultural communication uses Westernized calques that distort the original *liǎn* ("lee-YEN") and *miànzi* ("mee-YEN-tsu"). For 10 points, what Chinese-derived concept encompasses reputation and honor that may be "lost"?

ANSWER: **face** [accept "lose **face**," "save **face**," "give **face**," or word forms of any of those non-underlined terms; accept **miànzi** or **liǎn** until each is read; accept **face**work, **face**-to-face interactions, "On **Face**-Work," or **face**-threatening acts; prompt on **honor**, **prestige**, **reputation**, social **standing**, social **status**, **dignity**, **respect**, **self-worth**, **morality**, or equivalents of any until "reputation" is read] (Smith wrote *Chinese Characteristics*.)

<Social Science>

4. This compound can be made into a milder dehydration agent by increasing its concentration, producing a clear, viscous liquid that is mixed with kieselguhr (“KEE-zel-goor”) in the solid catalyst for the cumene process. The concentration of this compound is often expressed in terms of its anhydride, which is an adamantane-like decaoxide (“deca-oxide”) that deliquesces (“deli-KWESS-iz”) back to this compound. Incidentally radioactive gypsum is a major byproduct of the “wet process” of producing this compound, which dominates worldwide sulfuric acid consumption. A slurry of this acid and crushed fluorapatite (“flor-apatite”) are granulated into a triple “super” product whose NPK number can approach 0-52-0. One part of this acid is combined with one part hydrogen and two parts ammonia in two-component fertilizers. For 10 points, Coca-Cola’s ability to erode teeth comes from what triprotic (“try-pro-tick”) acid, whose conjugate base is phosphate?

ANSWER: **phosphoric acid** [or ortho**phosphoric acid**; accept **polyphosphoric acid**, **dihydrogen phosphate**, or **hydrogen phosphate**; accept ortho**phosphoric** after “acid” is read; reject “phosphorous acid” or “phosphonic acid”]  
<Chemistry>

5. *Note to moderator: Read the answerline carefully.* Operation Sheepskin used this movement’s fictional uniforms as a pretext to stop Ronald Webster’s secession. George Odum launched this movement’s transnational Forum after Evan Hyde created its weekly *Amandala*. After this movement’s Writers Congress, students occupied Sir George Williams University in Montreal. This movement’s Abeng group formed after Hugh Shearer ordered Mona’s campus to expel the New World Group historian who defined its three aims, Walter Rodney. A sedition bill targeted this movement’s NJAC under Eric Williams, who broadcast support for its 1970 “revolution” after strikes in Trinidad. This movement included the Mangrove Nine who were acquitted of rioting in Notting Hill, and a SNCC (“snick”) leader who took the name Kwame Ture in Guinea. For 10 points, what movement coined by Stokely Carmichael was saluted at the 1968 Olympics?

ANSWER: **Black Power** [accept **Black nationalism**, British **Black Panthers**, **BBP**, **BPM**, **Black Power** Revolution, United **Black Association** for Development, **UBAD**, Universal **Coloured People’s Association**, **UCPA**, **Black Beret** Cadre, **St. Lucia Action** Movement, **SLAM**, or **Afro**-Caribbean **Liberation** Movement; prompt on **Pan-Africanism**, **Black** pride, **Afrocentrism**, **civil rights**, New **Left**, Caribbean **Left**, or word forms of any; reject “African socialism,” “Négritude,” “Black Consciousness,” or “Rastafarianism”] (Clues include Anguilla seceding from its federation with Saint Kitts and Nevis, the Black Writers Conference, the University of the West Indies, and Makandal Daaga’s National Joint Action Committee.)  
<World History>

6. This opera is the subject of a 1977 Philip Brett paper that foreshadowed New Musicology. Colin Davis’s 1978 recording of this opera features Jon Vickers’s much darker treatment of the title character. In this opera’s ending mad scene, the tenor lead’s monologue is punctuated by solo tuba calls and an offstage chorus shouting his name. Just before that scene, this opera’s female lead describes how a hobby “in childhood was a luxury of idleness” as she identifies a dead body in the “Embroidery Aria.” This opera’s passages “Dawn,” “Sunday Morning,” “Moonlight,” and “Storm” were published as its composer’s Opus 33. This opera was written for its composer’s partner Peter Pears (“peers”), who plays a fisherman whose apprentices die suspiciously. For 10 points, name this opera from which the *Four Sea Interludes* were excerpted by composer Benjamin Britten.

ANSWER: *Peter* **Grimes**  
<Other Fine Arts>

7. In the design of these structures, the PMF is commonly selected as the IDF, and then the IDF is used to determine the required freeboard; these structures' freeboard allowance must also factor in wind setup. A leading cause of failure in these structures is piping, which refers to internal erosion. When these structures are built in seismically active areas, they must be able to withstand earthquake-induced seiches ("SAY-shiz"). A split spacing pattern is commonly used when building these structures' grout curtains, which reduce uplift pressure. Accesses are often built in these structures for anadromous ("uh-NAD-ruh-mus") animals. Seepage control measures in these structures prevent embankment erosion. Concrete is used to build these structures when they have an arch or gravity design. For 10 points, name these structures built to create reservoirs for purposes like hydroelectric power generation. ANSWER: **dams** [accept specific types of **dams** such as hydroelectric **dams**, embankment **dams**, gravity **dams**, or arch **dams**; accept **levees** or **dikes**; prompt on **reservoirs** or **basins** until "reservoirs" is read by asking "what structures are built to create them?"] (An IDF is an inflow design flood, and a PMF is a probable maximum flood.) <Other Science>

8. A stringent reading of a theory of this concept seems to entail "zipping back," in which the actions of persons *Y* through *A* become impermissible. Leonard Hobhouse's distinction of this concept's "use" and "power" aspects is replaced with a Hegelian "personhood hierarchy" in a paper by Margaret Jane Radin. Calabresi and Melamed distinguished rules of this concept and "liability rules." A thinker qualified his theory of this concept's "ingrossment" with the "spoilage condition" and the "enough-and-as-good" clause. That thinker wrote that "men enter into society" to preserve this concept, but constrained its creation with a "proviso" that was modified by Robert Nozick. The *Second Treatise* argues that this concept is acquired by mixing land and labor. For 10 points, Lockean natural rights entitle one to life, liberty, and what type of ownership? ANSWER: **property** [accept right to **property**, **property** rights, **proprietary**, or **property** rules; accept **possessions**, **estate**, **title**, **entitlement**, **holdings**, **takings**, **dominion**, **dominium**, or word forms of any; accept **ownership** or **appropriation** or word forms until each is read; prompt on natural **rights** by asking "to what?"; prompt on **justice** in holdings] <Philosophy>

9. Artifacts from these places include Springmount's wax tablet psalter and a possible shaman's "snake staff" from a Comb Ceramic site. Excavations of these places revealed a coaxial ("co-AX-ee-al") Neolithic field system at Céide ("KAY-duh"), anthropomorphic "pole god" figures in Braak, and meals of a knotweed gruel given to "triple deaths." In one of these places, Cimbri ("KIM-bree") possibly dismantled *repoussé* ("ruh-poo-SAY") silver pieces that depict Cernunnos ("KAIR-noo-nohss") and La Tène ("lah ten") *carnyx* players. L'Anse aux Meadows ("LONCE oh meadows") smelted limonite iron nodules from these places, which were spanned by "corduroy road" trackways. These places preserved the Gundestrup ("goo-neh-STROPE") Cauldron and waxy butter. Nooses left on people in these places at Windeby ("VIN-duh-bee") and Borremose ("BOR-uh-moo-zuh") led P. V. Glob to interpret those bodies as Iron Age human sacrifices. For 10 points, the bodies of Lindow Man and Tollund Man were mummified in what anaerobic wetlands? ANSWER: **bogs** [accept **peat** bogs, **peatlands**, raised **bogs**, **quagmires**, floating **mats**, **moss** bogs, or **sphagnum** bogs; accept **moors** or **fens**; accept **bog** bodies, **bog** people, **bog** butter, or **bog** iron; accept **Borremose** until read; prompt on **wetlands** until read; prompt on **lakes**, **ponds**, bodies of **water**, or equivalents of any by asking "what specific type of environment?"; reject "marshes" or "swamps"] (The first line refers to a staff from Järvensuo, Finland.) <Other History>

10. In this novel, a man puts bells on his ankles to disguise himself as one of the red-robed men whose cart he uses to escape a mob yelling “Get the anointer!” A governess’s role in rewriting this novel into a dialect that became its language’s written standard is recounted in a book titled for its author’s family, written by the author of *Family Lexicon*. The phrase “the unfortunate woman replied” comes from this novel’s digression on the seduced nun Gretchen. In this novel, a silk weaver finds loaves lying on the ground after fleeing his mountain home and arriving in a city during a bread riot. The female protagonist of this novel is freed from a castle after the conversion of the Unnamed. A famine and a plague occur in this novel, in which Don Rodrigo schemes to seize Renzo’s beloved Lucia. For 10 points, name this magnum opus of Alessandro Manzoni.

ANSWER: *The Betrothed* [or *I promessi sposi*] (Emilia Luti helped rewrite the novel in Tuscan Italian, as described in *The Manzoni Family* by Natalia Ginzburg.)

<European Literature>

11. An associate of Ferdinand Marcos from this family licensed Sudan’s National Oil Company from Gaafar Nimeiry (“GAFF-far nee-MAY-ree”) and planned Israel’s airlift of Ethiopian Jews in Operation Moses. Lockheed commissions enriched that arms dealer from this family, who hosted CIA agents at Mount Kenya’s Safari Club and laundered money through Luxembourg’s BCCI during Iran–Contra. A cousin of Dodi Fayed (“FYE-ed”) from this family worked with the vlogger Omar Abdulaziz, launched a failed TV station in Bahrain, published translations by the Qatar Foundation, and founded Democracy for the Arab World Now. Bryan Vogel’s film *The Dissident* profiles that activist from this family, whose widow, Hatice Cengiz (“hah-dee-jay JENG-iss”), sued the NSO Group over Pegasus spyware that abetted his death at a consulate. For 10 points, a *Washington Post* columnist from what Turkish-Saudi family was assassinated in 2018?

ANSWER: **Khashoggi** (“kuh-SHOAG-jee”) family [or **Khāshuqjī** family; accept Jamal **Khashoggi** or Jamāl ’Aḥmad **Khāshuqjī**; accept Adnan **Khashoggi** or Adnān **Khāshuqjī**] (The BCCI was the Bank of Credit and Commerce International.)

<Current Events>

12. This poet wrote that a dead snake is not a biblical symbol, merely something “that loves itself so much it moves across / the boundaries of death to touch itself / once more.” Another poem by this author of “Torn” admits, “I still want to kill the carrots because I can.” This poet appeals for a “song that says my bones / are your bones, and your bones are my bones, / and isn’t that enough?” in a poem that criticizes the ritual of singing another song before “the pummeling of youth.” The call, “Ears up, girls, ears up!” appears in a poem by this author that boasts of a “huge beating genius machine” that knows “it’s going to come in first.” That poem begins, “I like the lady horses best,” and opens her book *Bright Dead Things*. For 10 points, name this author of “A New National Anthem” and “How to Triumph Like a Girl,” the current US Poet Laureate.

ANSWER: Ada **Limón** (“lee-MOHN”) (The second poem is “I Remember the Carrots.”)

<American Literature>

13. This location developed rapidly after the 19th-century politician John McKane arranged a price of 1,500 dollars for property worth over 100,000 dollars, which was happily paid by railroad magnate Austin Corbin. Abe “Kid Twist” Reles (“RELL-iss”) suspiciously died after falling out a window at this location’s Half Moon Hotel. After the St. Louis World’s Fair, Truman Hunt moved his Igorrote (“ee-goh-ROHT”) human zoo to this location. A man with a center hair part and an unnaturally wide smile symbolized this location as a “funny face” logo nicknamed “Tillie.” Topsy the elephant was electrocuted for publicity in this location, where George Tilyou’s design of Steeplechase Park inspired competitors like Dreamland and Luna Park. While working in this location, Charles Feltman invented the hot dog. For 10 points, America’s first roller coaster, the Switchback Railway, was built in what Brooklyn neighborhood?

ANSWER: **Coney Island** [accept **Luna Park**, **Steeplechase Park**, or **Dreamland** until “Steeplechase” is read; accept **Brighton Beach**; accept **Gravesend**; accept **Sea Gate**; prompt on **Brooklyn** or **NYC** or **New York City** until “Brooklyn” is read]

<American History>

14. *Note to moderator: Read the answerline carefully.* For the Lax pair  $L$ -comma- $M$ , [read slowly] this operation of an eigenfunction of  $L$ , plus “ $M$  times the eigenfunction,” equals another eigenfunction. This operation of the generating function is the difference between the final and initial Hamiltonians. This operation of the principal function is the negative of the Hamiltonian. This operation of the distribution function equals the negative of “the Poisson (“pwah-SAWN”) bracket of the distribution function and the Hamiltonian,” as follows from Liouville’s (“lyoo-VEEL’s”) theorem. If this operation of the Lagrangian is zero, energy is conserved. Adding terms of the form “ $q$ -dot times delta-by-delta- $q$ ” to this operation yields a “total” operation. For 10 points, name this operation that, while holding all other variables constant, gives the rate of change of a function with respect to a quantity measured in seconds.

ANSWER: **partial time derivative** [or **partial derivative** with respect to **time**; or **partial differentiation** with respect to **time**; or **partially differentiating** with respect to **time**; accept  $t$  in place of “time”; accept **delta** by **delta  $t$** ; accept **delta** sub  $t$ ; accept any answer preceded by “negative” or “minus” or equivalents; prompt on (first) time **derivative**, (first) **derivative** with respect to time, **differentiation** with respect to time, **differentiating** with respect to time, **d** by **dt**, or negative equivalents; reject “total time derivative” or “total derivative with respect to time”]

<Physics>

15. A set of 404 stories of cheating women written by this figure is the source of a prayer used in initiation rituals. A group credits an “All-Iron Scripture” written by this figure for their “warrior spirit.” This figure supposedly dictated a text’s current recension from memory at Dāmdāmā when Dhir Mal (“DEER mull”) hoarded prior editions. This figure wrote a passage that starts “Sravags (“sruh-VAHGS”) have I seen,” which, with a text by an [emphasize] *earlier* author, is recited daily at 3 a.m. as part of the *Nitnem*. This author of a 1705 *Zafarnāma*, or “Epistle of Victory,” wrote a prayer recited while sugar and water are stirred with a sword. This author first performed that baptism ritual for the Panj Pyare (“punj PYAH-reh”), or “Five Beloved Ones,” who entered his tent. For 10 points, name this author of the Dasam Granth (“duh-sum grunt”), who named the Adi Granth (“AH-dee grunt”) as his successor as the last human Sikh guru.

ANSWER: Guru **Gobind** Singh [prompt on **Singh**; reject “Hargobind”] (Clues include the *Charitropakhyan* section of the Dasam Granth, the Nihang’s reverence for the Sarbloh Granth, and Gobind’s dictation of the authoritative version of the Adi Granth to Bhai Mani Singh.)

<Religion>

16. A speaker at one of these title buildings thinks of a “troubler of... midnight dreams” as summer’s “mountain-light suddenly fails in the west.” Seven of these buildings represent days, colors, planets, and princesses of the seven climes visited by Bahrām V (“buh-RAHM the fifth”) in Amir Khusrau’s (“kuss-ROH’s”) *Hasht Bihist* (“hash’t bee-HEEST”). These buildings title a 10th-century precursor of thatched-hut recluse literature by Yasutane (“yah-soo-TAH-nay”) and a play whose “startled dream” scene made it one of the author’s “four dreams.” Poems written during a 353 CE “meandering stream” party at one of these buildings were collected with a preface in running script calligraphy by Wáng Xīzhī (“wahng shee-jurr”). One of these buildings titles a Míng *chuánqí* (“chwen-chee”) play in which Dù Liniáng’s (“doo lee-n’yang’s”) soul reunites with Liǔ Mèngméi (“lee-yoh mung-may”). For 10 points, a 55-scene *kūnqǔ* (“kwun-chew”) opera by Tāng Xiǎnzǔ (“tahng shee-en-tsoo”) is titled for what sort of building named for peonies (“PEE-uh-neeZ”)?

ANSWER: **pavilions** [accept **domes**, **domed pavilions**, **cupolas**, **gazebos**, **kiosks**, **booths**, **tíngzi**; or **kūshk**; accept *The Peony Pavilion* or *Mǔdān tíng* or *Mu-tan t’ing*; accept *Lántíngjǐ*, Orchid **Pavilion** Gathering, *Lántíng Xù*, or *Orchid Pavilion Preface*; accept **Chiteiki** or *Record of the Pond Pavilion* or *Account of the Pondsides Pavilion*; prompt on **paradises**] (Mèng Hàorán wrote “In Summer at the South Pavilion Thinking of Xing.”)  
<World Literature>

17. A man with this name introduces vices that the ignorant “called civilization, when it was but a part of their servitude” and is called fortunate “in the opportune moment of his death” in a peroration. A Frisian (“FREE-zhun”) humanist with this surname theorized notetaking in *De formando studio* and inspired Petrus Ramus’s simplified rhetorical logic in *De inventione dialectica*. A “Saxon Pliny” with this surname founded metallurgy in *De re metallica*. This surname was taken by a bishop of Turku whose *ABC-kiria* and *Se Wsi* (“say OOH-see”) *Testamenti* made him the “father of written Finnish.” A book about a man with this name originated the phrase “they make a desert and call it peace”; that encomiastic biography contrasts its subject’s *moderatio* and *virtus* (“WEER-tooss”) with Domitian’s tyranny. For 10 points, give this *cognomen* of a Roman governor eulogized by his son-in-law Tacitus.

ANSWER: **Agricola** (“uh-GREE-koh-luh”) [accept the *Agricola*, *De vita Iulii Agricolae liber*, *De vita et moribus Iulii Agricolae*, (Gnaeus) Julius **Agricola**, or (Cnaeus) Julius **Agricola**; accept Mikael **Agricola**; accept Georgius **Agricola**; accept Rodolphus **Agricola** (Frisius) or Rudolf **Agricola**; prompt on Michael **Olau**, Mikael **Olofsson**, Mikael **Olavinpoika**, Georg **Bauer**, or Georg **Pauer** by asking “what surname did he adopt?”]  
<Other Academic>

18. *Note to moderator: Read the answerline carefully.* These people prevented illness with “secular” items featuring caricatured genitalia. A modern “Texts Society” published narratives by these people, like Felix Fabri, that inspired a mountainside replica in Varallo. Giacomo da Verona reported Nubian and Ethiopian kinds of these people in 1335, when Sancia (“SAHN-cha”) and Robert of Naples bought the “Custody” for their care. Venice monopolized these people’s lucrative cotton-smuggling galleys. Nicholas of Cusa decried a fad that attracted these people to German towns like Wilsnack. Cologne’s bell foundries mass-produced pewter badges for these people, who were granted plenary indulgences by Rome’s Jubilee of 1300 and were called “palmer” if they reached the Cenacle. A chaste mystic who imitated Saint Bridget as one of these people wrote the *Book of Margery Kempe*. For 10 points, itineraries guided what people to the Via Dolorosa’s shrines?

ANSWER: **pilgrims** [or word forms of **pilgrimage**, **peregrinus**, **peregrinatio**, or **pilgrim** galleys; accept **palmer**s until read; prompt on **tourists**, **travelers**, **journeyers**, **wayfarers**, **iter** or equivalents; prompt on Orthodox **Christians**, **Catholics**, **Copts**, **penitents**, **devotees**, **devout** or similar answers; prompt on **Franciscans**, **Friars Minor**, **mendicants**, or **Spiritual** Franciscans by asking “who were the main people overseen by their Custody?”] (Clues include the Palestine Pilgrims’ Text Society, sacri monti, Mount Zion’s “Franciscan Custody” negotiated from the Mamluk sultan al-Nāṣir Muḥammad, and German shrines of the blood cult.)

<European History>

19. Compounds that disrupt these systems are central to Callaway's "novel weapons" hypothesis, which may explain the success of invasive producers of glucosinolates ("gluco-SIN-oh-lates"). The Simard lab has estimated flux through these systems as about 6 percent of *Pseudotsuga menziesii*'s ("pseudo-TSOO-guh MEN-zees-ee-eye's") total uptake using the standard method of comparing isotope data with and without a mesh in place. The formation of these systems is directed by gradients of lactones named for parasites in the genus *Striga*. Individuals isolated from VOCs ("V-O-C's") by plastic bags can still eavesdrop on allelochemicals ("uh-LEEL-oh-chemicals") via these systems, which share a common signaling pathway with rhizobia ("rye-ZO-bee-uh") nodules. Non-photosynthetic plants can cheat these systems by stealing carbon contributed by other plants. For 10 points, name this "wood-wide web" formed from mutualistic relationships between fungi and plants.

ANSWER: **mycorrhizae** ("my-co-RYE-zuh") [or (common) **mycorrhizal** networks; accept ecto**mycorrhizal** fungi or endo**mycorrhizal** fungi or arbuscular **mycorrhizal** fungi; prompt on **symbiosis**, **symbioses**, **symbiotic**, or **symbionts**; prompt on **rhizosphere** or **roots** or soil **microbiomes** until "rhizobia" is read; prompt on **mutualism** or **mutualistic** until "mutualistic" is read; prompt on **fungi** or **fungal** or fungal **hyphae** until "fungi" is read]

<Biology>

20. Masaccio frescoes inspired a series by this artist depicting an eagle atop a double cross crucifixion that the Getty restored in 2012. This artist used pyroxylin automobile paint for a painting that shows a temple reading "Liberté, Égalité, Fraternité" on fire next to a machine overflowing with gold coins. "Controlled accidents" were used to create paintings like *Landscape with Steer* and *Collective Suicide* at this artist's namesake Experimental Workshop, which informed Jackson Pollock's drip technique. A red-robed crying baby comes out of the mouth of an identical, larger baby in this artist's *Echo of a Scream*. This artist painted the forces of Science and Technology and the creation of a new race, which are viewed from a rotating platform inside his dodecagonal Polyforum. For 10 points, name this Mexican muralist of *The March of Humanity*.

ANSWER: David Alfaro **Siqueiros** [or José de Jesús Alfaro **Siqueiros**; accept Polyforum Cultural **Siqueiros**; prompt on **Alfaro**] (Clues include *América Tropical* and *Portrait of the Bourgeoisie*.)

<Painting & Sculpture>

## BONUSES

1. A thinker from this tradition differentiated compassion's "near enemy," pity, from its "far enemy," cruelty. For 10 points each:

[10e] Buddhaghosa ("buddha-GO-suh") was a philosopher of which of the two major traditions of Buddhism? This tradition's thinkers often embraced direct realism, in contrast to the Mādhyamaka ("MAHD-yuh-muh-kuh") and Yogācāra ("yoga-CHAH-ruh") schools of the other, newer tradition.

ANSWER: **Theravāda** Buddhism [or **Theravādans**]

[10h] The Theravāda concept of *bhavaṅga* ("buh-VUNG-guh"), or "life-continuum," is analogous to this concept of the Yogācāra school. The karmic seeds that "ripen" in this type of consciousness are the source of conscious intentional objects.

ANSWER: **storehouse** consciousness [or **ālaya**-vijñāna; accept **basic**, **ground**-of-all, all-**ground**, or **stratum-bound** in place of "storehouse"]

[10m] Buddhaghosa offered a hermeneutical, rather than ontological, interpretation of this Buddhist doctrine that differentiates "conventional" and "ultimate" interpretations of reality.

ANSWER: **two truths** doctrine [or **dvasatya**; or **sammuti-paramattha** distinction]

<Philosophy>

2. The strongest superbases are formed in this state by collisions during mass spec. For 10 points each:

[10e] Name this state of matter in which molecules are far enough apart to be free of solvent effects.

ANSWER: **gas** phase [or **gaseous**; accept **gas**-phase acidity **gas**-phase basicity or **gas** phase proton affinity]

[10m] Gas phase acidity is measured in this part of a spectrometer, which may be quadrupolar or dipolar ("DYE-polar"). In FT-MS, ions produce a free-induction decay while in this component by oscillating at the cyclotron frequency.

ANSWER: ion **trap** [or Penning **trap**]

[10h] Superbases can also be studied under this condition, where they may be ionized via electrospray or by directing them into a corona discharge with a carrier gas like helium. Spectrometers operating under this condition are prime candidates for miniaturization, as they lack bulky turbos or rotors.

ANSWER: **high pressure** [or **atmospheric pressure**; accept **ambient** pressure or **ambient** conditions] (ESI is done at atmospheric pressure.)

<Chemistry>

3. The "unconquered" Betsileo people of this present-day country's Central Highlands wrestle zebu bulls during *savika* rodeos. For 10 points each:

[10m] Name this country whose AREMA government banned kung fu in 1984. *Moraingy* bare-knuckle boxing was practiced by Menabe royals near the Tsingy karst of this country's western coast.

ANSWER: **Madagascar** [or Repoblikan'i **Madagasikara**; or République de **Madagascar**; accept Democratic Republic of **Madagascar** or Repoblika Demokratika **Malagasy** or République démocratique de **Madagascar**] (AREMA was the Malagasy Revolutionary Party.)

[10e] Moraingy bouts adopted these strikes after Imerina conquered coastal Madagascar. The zebra inspired Angola's *engolo* suite of this general kind of blow, which influenced capoeira's ("kah-poo-AY-ruh's") flashy *armadas*, *martelos* ("mar-TAY-loos"), and sweeps.

ANSWER: **kicks** [or **kicking**; accept **kick**boxing; accept use of **legs**, **feet**, the **foot**, **heels**, **shins**, or **knees**; accept **roundhouse** kicks; accept hook **kicks** or sweep **kicks** or **ganchos**]

[10h] In the years after the kung fu ban, many Malagasy people learned this French kickboxing sport from a federation that also governs *canne de combat*. MMA's oblique kicks originated in this foot-based martial art.

ANSWER: **savate** [accept **chausson**; accept **jeu marseillais**; accept Fédération Internationale de **Savate**; prompt on French **footfighting**]

<Geography>



4. Answer the following about union busting in America in 1937, for 10 points each.

[10e] Harry Bennett grew the “Service Department” at this Dearborn-based company into a paramilitary security force that attacked Walter Reuther’s (“ROO-thur’s”) United Auto Workers in the 1937 Battle of the Overpass.

ANSWER: **Ford** [or **Ford** Motor Company or **Ford** Motors]

[10h] Remington Rand’s strike ended in 1937 after James Rand, Jr. pioneered a union busting “formula” named for this region, which entailed spreading propaganda about union “agitators” and arming vigilantes to break strikes.

ANSWER: **Mohawk Valley** [accept **Mohawk Valley** formula; prompt on **Syracuse**]

[10m] The Memorial Day Massacre during the 1937 Little Steel strike was investigated by this Senate Committee on labor rights, which was chaired by the son of a third-party presidential candidate who ran with Burton K. Wheeler.

ANSWER: **La Follette** Committee [or **La Follette** Civil Liberties Committee] (It was chaired by “Young Bob,” the son of Robert M. La Follette.)

<American History>

5. Name these English authors of tragedies about Muslim rulers, for 10 points each.

[10e] The “Great Mogul” personifies virtue in *Aureng-Zebe*, and Boabdellin’s death unites Almanzor and Almahide in *The Conquest of Granada*, two rhymed heroic tragedies by this first English poet laureate.

ANSWER: John **Dryden**

[10m] Cervantes’s writings on Algiers informed this author’s tragicomedy about Paulina’s captivity under the Tunisian bey Asambeg, *The Renegado*. He created Sir Giles Over-reach in *A New Way to Pay Old Debts*.

ANSWER: Philip **Massinger**

[10h] The newly-translated *Arabian Nights* inspired this author’s “tragedy of state” about a vizier’s daughter who opposes Sultan Almanzor, *Almyna*. This author wrote a satirical “secret history” of the Whigs in *The New Atlantis*.

ANSWER: Delarivier **Manley** [or Delia **Manley**]

<British Literature>

6. Norma Broude’s monograph on this group highlights the influence of Walter Scott and describes their dissatisfaction with the Florentine Academy. For 10 points each:

[10h] Name this mid-19th century Italian group named for their “patchy” landscapes and street scenes. Though their work anticipated Impressionism, this group painted indoors after making *plein air* sketches.

ANSWER: **Macchiaioli** (“mock-yah-YO-lee”) [or movimento **macchiaiolo**]

[10e] The Macchiaioli championed this proto-Impressionist school of landscape painting that included Charles-François Daubigny and Jean-François Millet.

ANSWER: **Barbizon** School

[10m] This artist befriended the Macchiaioli and painted their critic Diego Martelli. The cover of Eric Hobsbawm’s *The Age of Capital* often features a painting by this artist set at his uncle’s office, where his brother reads a newspaper.

ANSWER: Edgar **Degas** (That painting is *The Cotton Exchange in New Orleans*.)

<Painting & Sculpture>

7. In a novel titled for this action, Coca-Cola runs the Bella Bella Bottling Works in the fictional island country of Isabella. For 10 points each:

[10m] Name this action that Homi K. Bhabha (“BAH-bah”) called a “metonym of presence” that menaces by reversing the colonial gaze. This action precedes “men” in the title of a V. S. Naipaul (“NYE-paul”) novel about Ralph Singh (“sing”).

ANSWER: **mimicry** [or word forms of **mimicking**; accept *The Mimic Men*; prompt on **doubling**, **imitation**, **copying**, or word forms or equivalents; reject “mimesis”]

[10e] In *The Mimic Men*, Ralph copies the ear-stroking mannerism of a landlord named for this Shakespeare villain. This man claims to mimic the “villainy you teach me” in a speech that asks “If you prick us, do we not bleed?”

ANSWER: **Shylock** (He appears in *The Merchant of Venice*.)

[10h] A section of this book analyzes “inauthenticity” in *The Mimic Men*. Bhabha’s analysis of Mr. Biswas is cited in this pioneering work of postcolonial literary criticism by Ashcroft, Griffiths, and Tiffin.

ANSWER: *The Empire Writes Back* [or *The Empire Writes Back: Theory and Practice in Post-Colonial Literatures*]

<World Literature>

8. The differential diagnosis for this condition includes acral peeling syndrome, which causes similar desquamation of the palms. For 10 points each:

[10m] Name this condition first described in 1927, but only named in 1978. This condition is caused by production of a superantigen and is much more acute when associated with streptococcal infection.

ANSWER: **toxic shock** syndrome [or **TSS**; or **toxic shock-like** syndrome or **TSLs**]

[10e] Within two years of being named, toxic shock was found to be associated with particularly absorbent examples of these feminine hygiene products.

ANSWER: **tampons** [reject “menstrual pads” or “sanitary napkins”]

[10h] Though still associated with tampons, most cases of toxic shock arise from these injuries. Oxandrolone can reduce the hypermetabolic response associated with these injuries, whose crystalloid requirements are proportional to BSA.

ANSWER: **burns** [accept first-degree **burns** or second-degree **burns** or third-degree **burns**]

<Biology>

9. Intisar (“in-tih-SAR”) Rabb argues that, in contrast to modern Islamists’ theatrical use of them, these penalties were rarely applied in practice in classical jurisprudence and were an “art of not punishing.” For 10 points each:

[10h] Name these “defined” punishments in Islamic law that combine severe penalties for “crimes against Allāh” with high procedural bars. The one for fornication formally requires testimony by four male witnesses.

ANSWER: **hudūd** (“hoo-DOOD”) [or **hadd**]

[10e] An unproven claim of fornication is itself subjected to a *ḥadd* by a sūrah named for this phenomenon. Angels are made of this phenomenon in Islam.

ANSWER: **light** [or **Nūr**; accept Sūrat An-**Nūr**]

[10m] Al-Shāfi‘ī (“ash-SHAH-fih-ee”) banned testimony by people who missed prayers for this activity, which is condemned with drinking in the Qur’ān. Rules about this activity, or *maysīr* (“may-SEER”), are also applied alongside rules about *gharār* (“gah-RAHR”) and *ribā* (“rih-BAH”).

ANSWER: **gambling** [or **betting** or **speculating** or equivalents; accept **chess**, **shatranj**, **backgammon**, **nardshīr**, **nēw-ardaxshīr**, or “**Brave Ardashīr**”; prompt on board **games** or **strategy games**]

<Religion>

10. This man and Mikhail Frunze (“FROONZ-yay”) alternatively name pointy cloth hats that Bolshevik revolutionaries wore to resemble bogatyrs. For 10 points each:

[10h] Name this mustachioed commander who extolled the valor of cavalry, while his rival Mikhail Tukhachevsky (“too-khuh-CHEFF-skee”) championed tanks. His disastrous defense of Kyiv in 1941 caused the encirclement of over a million Soviet soldiers.

ANSWER: Semyon **Budyonny** (“bood-YUN-nee”) [or Semyon Mikhailovich **Budyonny**; accept **budyonovka** or **budenovka**]

[10e] Budyonny (“bood-YUN-nee”) was so upset that Tukhachevsky wanted to prioritize tanks that he got him killed during this period, in which Joseph Stalin cleared out rivals with alleged Trotskyist ties.

ANSWER: **Great Purge** [or **Great Terror** or **Bolshoy terror**; accept **Year of ’37** or **Tritdsat Sedmoy God**; accept Period of **Yezhov** or **Yezhovshchina**; prompt on **purge** or **terror**; reject “Bolshevik terror”]

[10m] Frunze and Tukhachevsky earlier devised the “deep battle” strategy to maximize the value of armored vehicles; the Soviets used it to defeat the Kwantung Army at this decisive 1939 battle in Mongolia.

ANSWER: Battle of **Khalkhin Gol** [accept **Nomonhan** Incident or **Nomonhan** jiken]

<European History>

11. Answer the following about the Square Kilometer Array, or SKA (“S-K-A”), an ambitious international project to build a radio telescope, for 10 points each.

[10m] The SKA will use this spectral feature to study the cosmic dark ages and the epoch of reionization. This spectral feature is created by a transition between hyperfine levels of the 1s (“one-S”) ground state.

ANSWER: **21-centimeter line** [or **21 cm line**; accept **neutral hydrogen line** or **H I line** (“H-one line”); prompt on **hydrogen line** or **H line**]

[10e] The SKA will use over 100,000 antennae to meet its requirements for sensitivity and this quantity. This quantity measures the angular distance between objects that a telescope can distinguish.

ANSWER: angular **resolution** [accept **resolving** power or minimum **resolvable** angle]

[10h] Like the Very Large Array, SKA will use this interferometric technique, which is based on the Van Cittert–Zernike (“vahn SIT-ert SAIR-nee-kuh”) theorem. This technique uses an array of paired telescopes to simulate a single telescope with higher resolution.

ANSWER: **aperture synthesis** [or **synthesis imaging** or **aperture synthesis** imaging]

<Other Science>

12. Dominant rulers gradually claimed this title instead of *ensi*, which kings of Isin and Larsa took as pious stewards of a temple’s farmlands. For 10 points each:

[10m] Give this Sumerian title that precedes “Anne-Mundu” to identify a “king of the four corners” from Adab, “Zage-Si” to identify a warlord overthrown by Sargon, and “banda” to identify a mythical king of Uruk.

ANSWER: **lugal** [accept **Lugal**banda; accept **Lugal**-Zage-Si; accept **Lugal**-Anne-Mundu or **Lugal**anamundu or **Lugal**-an-ne-mu-un-du]

[10h] This legendary queen of Kish is the only female *lugal* on the Sumerian King List. The *Weidner Chronicle* anachronistically reports fish sent to the Esagila by this queen, who shared her name with Carchemish’s patron deity.

ANSWER: **Kubaba** [or **Kug-bau** or **Kug-ba-u**; accept **Kbb** or **Ku-pa-pa** or **Ku-ba-ba-at**]

[10e] The King List calls Kubaba a seller of this product, which was made by Sumerian priestesses of Ninkasi. Ancient Egyptians made this caloric staple alongside bread.

ANSWER: **beer** [accept **ale**; accept **malt** or **malted** grain; prompt on **alcohol**, **liquor**, **spirits**, **booze**, **beverages**, **drinks**, or equivalents of any; prompt on **gruel** or **porridge**; prompt on **grain**, **barley**, **wheat**, or **emmer** by asked “processed into what product?”]

<Other History>

13. El Lissitzky created a series of lithographs of unrealized automatons meant for performances of this opera. For 10 points each:

[10m] Name this opera whose libretto was composed in *zaum* (“zaom”). Kazimir Malevich designed costumes and sets for this Russian Futurist opera, which featured an early version of his *Black Square* on its stage curtain.

ANSWER: **Victory over the Sun** [or **Pobeda nad Solntsem**]

[10e] Varvara Stepanova and Vladimir Tatlin designed costumes during this Russian avant-garde movement. Tatlin’s unrealized *Monument for the Third International* exemplified this industrial movement’s focus on materials.

ANSWER: **Constructivism** [or **Constructivist** art; or **Konstruktivism**]

[10h] This Constructivist created angular, wireframe skirts and headdresses made of circular arcs as the costume designer for the 1924 Soviet film *Aelita* (“ay-LEE-tuh”), which partly inspired the *Flash Gordon* series.

ANSWER: Aleksandra **Ekster** [or Aleksandra Aleksandrovna **Ekster**; or Aleksandra Aleksandrovna **Grigorovich**]  
<Other Fine Arts>

14. Kafka and Ernst Bloch thought the most beautiful story ever written was a short piece by this author that captures the passage of 50 years by listing events like the Lisbon earthquake. For 10 points each:

[10h] Name this 19th-century German author whose story “Unexpected Reunion” is excerpted in the essay “The Storyteller.” This author wrote “calendar stories” and a *Treasure Chest* of Rhenish tales.

ANSWER: Johann Peter **Hebel** (“HAY-bell”)

[10e] This author of “The Storyteller” praised Hebel for embedding the passage of time “in natural history.” This critic’s death interrupted his *Arcades Project*.

ANSWER: Walter **Benjamin** [or Walter Bendix Schönflies **Benjamin**]

[10m] Both “Unexpected Reunion” and a story by E. T. A. Hoffmann depict the discovery of Fet-Mats in one of these places. Stendhal’s theory of love was inspired by these places, which Novalis inspected for his day job.

ANSWER: **mines** [accept copper **mines**, salt **mines**, Salz**bergwerk**, or Kupfer**mine**; prompt on **caves**, **caverns**, **underground** areas, **pits**, **shafts**, **quarries**, or synonyms of any] (The Hoffmann story is “The Mines of Falun.”)

<European Literature>

15. The flag of Vanuatu (“VAN-oo-AH-too”) depicts cycad (“SYE-kad”) fronds encircled by one of this animal’s tusks, which were grown for years as badges of rank for male custodians of *kastom*. For 10 points each:

[10e] Hawai’i’s *kapu* system restricted women from eating the meat of what animal, which comes last in the Chinese zodiac?

ANSWER: **pigs** [or **hogs**, **swine**, **boars**, **sows**, **porcines**, **suids**, or **zhū**]

[10m] Hawaiians raised mullet as “sea pigs” to provide men with the *mana* of this agricultural god, who manifests as the shapeshifting hog-man Kamapua‘a (“kuh-MAH-poo-WAH-uh”). Captain Cook reached Hawai’i during this great god’s Makahiki festival.

ANSWER: **Lono**

[10h] The war god ‘Oro possesses docile pigs and turns them into man-eaters at one of these sites called Taputapuātea (“tapu-tapu-uh-TAY-uh”), where the Arioi Society keeps sacred pigs. These stone enclosures serve as Polynesian temples.

ANSWER: **marae** (“muh-RYE”) [or **ahu**; or **malae** or **mala‘e** or **me‘ae**]

<Mythology>

16. The *Agadez Chronicles* report these people electing a sultan of Aïr in the 15th century, which legitimized Lissawan claims to the Ader (“ah-DAR”). For 10 points each:

[10e] Name these people whose “drum groups” conquered Kawar’s oases from Bornu around 1760. These Amazigh people wear blue *tagelmust* in the Sahara.

ANSWER: **Tuareg** people [or **Twaregs** or **Touaregs**; or **Imuhagh**, **Imajeghān**, **Imushagh**, or **Imašeghān**; accept **Aulliminden**, **Gawalley**, **Ifoghas**, **Iwellemmedan**, Kel **Adagh**, Kel **Ataram**, Kel **Denneg**, Kel **Dinnik**, Kel **Gress**, Kel **Owi**, **Lemta**, or **Massufa**; prompt on **Berbers**] (Benedetta Rossi argued that the *Chronicles* were embellished by Lissawan elites who provided translations of Arabic manuscripts to colonists.)

[10h] 18th-century Tuareg raids centralized this Hausafied sultanate in modern Niger (“nee-ZHAIR”). The explorer Dorogu visited Europe from this sultanate, whose *sarkis* imported muskets from Tripoli and cast wheeled cannons to fight Bornu.

ANSWER: **Zinder** [or Sultanate of **Zinder** or Sultanate of **Sinder**; or Sultanate of **Damagaram** or Sultanate of **Damagaran**] (Dorogu dictated an 1856 Hausa-language travelogue of his journeys with Heinrich Barth.)

[10m] This Sufi order sponsored by Muḥammad al-Sharīf of Wadai sent embassies to the Tuaregs of Zinder and Agadez, as well as to Somaliland. This order’s *zawiya* outposts later fought the Italians in Libya during World War I.

ANSWER: **Senussi** [or **Sanūssi** or al-**Sanūssiyya**; accept **Senussi** campaign; accept Muḥammad ibn ‘Alī al-**Sanūsī** or Muḥammad ibn ‘Alī al-**Sanūsī** al-Mujāhirī al-Ḥasanī al-Idrīsī]

<World History>

17. In the 1970s, these polities received more general revenue sharing and non-earmarked block grants to reduce logrolling and pork barrel from categorical formula and project grants. For 10 points each:

[10e] Louis Brandeis dubbed what units of government “laboratories of democracy” for their autonomy under the Tenth Amendment?

ANSWER: **states** [or US **states**; accept **states**’ rights] (The first line describes features of Nixon’s “new federalism.”)

[10m] Federal preemption can subject states to these involuntary duties enforced with crossover sanctions. A 1995 reform act aimed to curb “federal blackmail” from these duties being “unfunded.”

ANSWER: **mandates** [accept unfunded **mandates** or Unfunded **Mandates** Reform Act of 1995]

[10h] Germany’s 2006 federalism reform restricted unfunded mandates to achieve this paradigm’s devolutionary goal of self-administration. New Zealand’s accrual accounting inspired this movement to reinvent government like a business.

ANSWER: **new public management** [or **NPM**; prompt on **public management**; prompt on **subsidiarity** or **Subsidiarität**; reject “new federalism”] (The *Konnexitätsprinzip* prohibits unfunded mandates.)

<Social Science>

18. In a retelling of *The Scarlet Letter* by John Updike, a Barthian theology professor with this first name disapproves of Dale Kohler’s attempts to prove the existence of God using a computer program. For 10 points each:

[10e] Give this first name taken by Hester Prynne’s husband along with the last name “Chillingworth.”

ANSWER: **Roger** [accept **Roger** Chillingworth; accept **Roger** Lambert; accept **Roger**’s *Version*]

[10m] In the chapter “The Leech and His Patient,” Chillingworth finds evidence of Arthur Dimmesdale’s guilt after looking at this thing, which Dimmesdale shows to a crowd around a scaffold before dying.

ANSWER: Arthur Dimmesdale’s **chest** [or synonyms such as **breast**; prompt on **skin** or **flesh** or **body**; prompt on descriptions of a **scar** or other kind of **marking** by asking “where is it located?”]

[10h] *The Scarlet Letter* was published by a company named for William Davis Ticknor and this man, who served as a pallbearer at Hawthorne’s funeral. His widow, Annie Adams, shared a Boston marriage with Sarah Orne Jewett.

ANSWER: James T. **Fields** [or James Thomas **Fields**; accept Ticknor and **Fields** or Ticknor, Reed, & **Fields**]

<American Literature>

19. About 40 bars into this piece, an *Allegro agitato* section begins with the fluttering woodwind figure “C, A, C, A,” which is answered by a percussive blast from a stopped horn and a muted trumpet. For 10 points each:

[10m] Name this piece for solo voice and orchestra, which sets a prose text in which a young boy describes nostalgic American childhood scenes “when people sit on their porches.”

ANSWER: ***Knoxville***: *Summer of 1915*

[10e] *Knoxville* was written by this gay American composer, whose opera *Vanessa* features a libretto written by his partner and fellow composer Gian Carlo Menotti. He also wrote the *Hermit Songs*.

ANSWER: Samuel **Barber** [or Samuel Osmond **Barber II**]

[10h] James Sullivan has given a queer reading of Barber’s *Despite and Still*, which was written for this soprano. This Barber interpreter sang a title role at the disastrous premiere of the opera *Antony and Cleopatra*.

ANSWER: Leontyne (“LEE-un-teen”) **Price** [or Mary Violet Leontyne **Price**]

<Classical Music>

20. The magnitude of this process’s amplitude squared equals the differential cross section. For 10 points each:

[10e] Name this general process that can involve an electron diverting a photon in a low-energy type named for J. J. Thomson.

ANSWER: **scattering** [or word forms like **scattered**; accept Thomson **scattering**; accept **scattering** amplitude]

[10m] For Thomson scattering, the differential cross section is proportional to: “one plus this function of the scattering angle theta.” By Malus’s (“mah-LOOSE’s”) law, the proportion of polarized light that gets through a polarizer is this function of the angle between the polarizer and the initial polarization.

ANSWER: **cosine squared** theta [or **cosine** of theta all **squared**; accept **power two** or **to** the power **two** in place of “squared”; reject “cosine” or “squared”]

[10h] To extend Thomson scattering to a full atom, the differential cross section is multiplied by the square of this quantity, which is sometimes called the scattering factor and is the Fourier (“foor-YAY”) transform of spatial density into momentum space.

ANSWER: atomic **form factor** [prompt on **form**]

<Physics>