2020 WORKSHOP: We Oughtta pRopose aKronymS aHead Of Ptime
Produced by Jacob Reed, Alex Damisch, Adam S. Fine, Will Holub-Moorman, Olivia Lamberti, Olivia Murton, Jakob Myers, and Kevin Wang
Packet 7

Tossups

1. **These figures gave the rabbit a short tail and the rat a hairless one as punishment for exposing their laziness. An elaborately nested request is brought to these figures in the form of a quote of a quote of a quote carried by a louse in a toad in a snake in a falcon. A stele from the Izapa site showing a descending bird is typically linked to these figures' prowess with the blowgun, which they used to defeat a demon and replace his teeth with (*)** corn. One of these defeaters of Seven Macaw was forced to replace their head with a pumpkin after being decapitated in the Bat House. For 10 points, the Popul Vuh describes what pair of brothers defeating the lords of Xibalba at the Mayan ball game?
ANSWER: **Hero Twins** [or **Hunahpu** AND **Xbalanque**; prompt on partial answer; prompt on the Maya Twins]
<EA>

2. **A complex whose center is this element in its unusual +2 oxidation state must be stabilized by antimony (V)** [five] **fluoride counter·ions and contains four xenon ligands This only metal to form a stable monatomic anion, which it forms in a compound with cesium, has the highest electron affinity among metals. This metal displays the strongest known metallo·philicity, which can be exploited to produce nanoscale aggregates like monolayers via (*)** self-assembly. Reduction with sodium citrate can be used to produce intensely red colloids of this metal's nanoparticles. Like platinum, this metal doesn't react with nitric or hydrochloric acid but is dissolved by their mixture, aqua regia. For 10 points, name this unreactive yellow precious metal.
ANSWER: **gold** [or **Au**; accept tetraxenono**gold**(II), **gold** tetraxenide(II), **Au**$Xe_4(Sb_2F_{11})_2$, or **Au**Xe_4^{2+}; accept cesium **auride**, Cs**Au**, or **Au**⁻; accept **aurophilicity** or word forms] <GH>

3. **One character in this play recounts the story of a man who was eaten by his own dogs after encouraging them to eat raw meat. After questioning a supposed cult leader, one character in this play threatens to cut off the other's hair for bringing savage rituals. That leader later causes an earthquake in order to escape being chained to a bull. A shepherd and slave leader converse at the beginning of a (*)** retelling of this play subtitled "the communion rite." After a group of women are described as suckling wolves, a man dressed in female clothing is revealed to be hiding in a tree and torn apart. That man, Pentheus, has his head carried in by his mother Agave, who claims it to be a lion's head. For 10 points, name this play by Euripides about Dionysus and his violent fanatics known as the Maenads.
ANSWER: The ***Bacchae*** [accept The ***Bacchantes***] <AR>

4. **One of these pieces precedes a "Malagueña" as the second movement of Isaac Albéniz's *España*. Daniel Barenboim has recorded a suite in this style that depicts the four seasons in his hometown. A popular 1974 piece combines the name of this genre with the word for "Liberty." Carlos Gardel popularized this style with songs like (*)** "Por una cabeza." This genre developed from the earlier styles of *milonga* and *candombe*. This style's typical accompaniment features the *bandoneón*, an accordion-like instrument. The song "La cumparsita" and Astor Piazzolla's *Estaciones Porteñas* are in—for 10 points—what style of music and partner dance from Uruguay and Argentina?
ANSWER: **tango** [prompt on milonga before mention; accept "**Libertango**"] <EF>

5. **People performing this activity sometimes use stretchy, noise-making bands called "bangers." Before participating in this activity, participants sometimes calculate their SAC ("sack") rate and go over a safety checklist with the acronym PADI-BWRAF. Early versions of this activity utilized a device developed by August Denayrouze and Benoit Rouquayrol. No-stop limits for this activity are measured on a device that uses the Buhlmann algorithm to prevent participants from excessive inert (*)** gas bubble formation. Devices used in this activity that remove oxygen and circulate it with carbon dioxide are known as rebreathers. Decompression sickness, or "the bends," is a common risk in—for 10 points—what activity that sometimes uses self-contained underwater breathing apparatuses?
ANSWER: scuba **diving** [prompt on swimming] <ZF>

6. **A member of the Eulenburg Expedition, Ferdinand von Richthofen, is most famous for coining this term in the late 1870s. A recent history of the world titled for this term centers on cities such as Ray and Nishapur and discusses figures like John of Montecorvino and William of Rubrouck. Stephen G. Haw has argued that apparent omissions in the most famous primary source describing travel in this multinational historical entity, such as its failure to mention (*)** foot-binding, instead point to the contemporary rarity of that practice. A 2015 best-selling history book by Peter Frankopan is titled for the plural form of this entity. Rustichello da Pisa compiled a book primarily about a trip along this entity in *Il Milione*. For 10 points, name this trade route on which Marco Polo traveled between Europe and China.
ANSWER: **Silk Road** [or *The **Silk Road**s* or **Seidenstrasse**n, prompt on China or Yuan dynasty with "what larger historical entity were they part of?"] <CS>

7. **In this language, poetic descriptions of a "fair month" and a "gentle breeze" have recently been excerpted to form a two-word phrase supposedly meaning "beautiful harmony." The earliest poetry in this language, which was written by princesses and other courtiers in the mid-seventh century, survives in a collection whose title refers to "ten thousand leaves." In this language, conventional poetic epithets are known as (*)** "pillow words." A novel in this language includes almost 800 poems, which were translated as couplets by Royall Tyler and Edward Seidensticker. Lists like "hateful things" are included in a tenth-century diary in this language that Arthur Waley translated as *The Pillow Book*. For 10 points, name this language of *waka* poetry and Lady Murasaki's *Tale of Genji*.
ANSWER: Classical **Japanese** [or **Nihongo**; accept **bungo** or **kobun**] (The phrase from the first line is the era name *Reiwa*; the collection is the *Manyoshu*.) <JR>

8. **This group's virulently anti-Communist president, Anne Rogers Minor, began issuing a civics manual to Italian immigrants in Connecticut that became this group's Citizenship Guide. Lena Ferguson was denied entry into this organization in 1987 because she was black. Before the Kennedy Center was built, a building owned by this organization hosted the National Symphony Orchestra. Harold Ickes allowed a performer to use the (*)** Lincoln Memorial steps for a concert after this organization did not allow her to sing at a venue it owned. After it denied Marian Anderson a concert in its Constitution Hall, Eleanor Roosevelt left this organization. For 10 points, name this organization of female descendants of soldiers in the American War of Independence.
ANSWER: **Daughters of the American Revolution** [or **DAR**] <ZK>

9. **In a painting by this artist, a woman in a dull red dress with a wide-brimmed hat reclines against a tree and holds a huge bouquet, while her counterpart in a white dress splays herself face-first on the ground. This artist was attacked for calling two prostitutes "demoiselles" in the title of his** *Young Ladies by the Seine*. **A woman leans in to kiss a white poodle in one of this artist's many nudes of the (*)** 1860s. This artist painted a series of sombre still lifes while in prison in 1871. In the painting *Sleep*, this artist depicted two nude women post-coitus; that painting was created for the same Turkish diplomat who commissioned a painting by this man that supposedly depicts Joanna Hiffernan's genitals. For 10 points, what French Realist painted *The Origin of the World* and *The Painter's Studio*?
ANSWER: (Jean Désiré) Gustave **Courbet** <AR>

10. **One author described his own inability to forgive a member of this profession for using a rubber hammer to beat Lucas, a child with cerebral palsy. Much of the research for that ethnography of Puerto Rican members of this profession was conducted in a location known as the Game Room. Primo and Caesar, two members of this profession, appear in Philippe (*)** Bourgois' *In Search of Respect*. After studying an organization led by "JT," a different ethnographer found that most people with this profession make under $5 an hour, a discovery he publicized in a *Freakonomics* chapter titled "Why Do [people with this profession] Still Live With Their Moms?" For 10 points, name this profession of the "soldiers" analyzed in Sudhir Venkatesh's *Gang Leader for a Day* who sell substances like crack cocaine.
ANSWER: **drug dealer**s [accept equivalents or more specific answers like **crack dealer**s; prompt on gang members] <WHM>

11. **A vector field defined by its second covariant derivative equaling negative** *this quantity* **gives a "tangent vector" to a geodesic and is called a Jacobi field. The exterior covariant derivative of the form associated to this quantity is zero by the second Bianchi identity. This quantity is independent of a surface's embedding into Euclidean space, which was termed the (*)** Theorema Egregium by Gauss. The integral of this quantity over a closed surface equals two pi times the manifold's Euler characteristic, according to the Gauss–Bonnet theorem. For a function parametrized by arc length, the derivative of the tangent vector has length equal to this quantity. For a circle, this quantity is defined as the reciprocal of the circle's radius. For 10 points, name this quantity that measures how non-flat a surface is.
ANSWER: **curvature** [accept Riemann **curvature** tensor or **curvature** form or Gaussian **curvature**] <GH>

12. **This philosopher's debts to existentialism and phenomenology were analyzed in a book on** *[This thinker] and the Crisis of European Man* **by Lewis Gordon. This thinker analyzed an intellectual "sentinel" who is always "ready to defend the Graeco–Latin pedestal." The last section of a book by this thinker endorses a "literature of combat." This coiner of the term "lactification" criticized Léon (*)** M'ba for saying that "nothing has changed" between Gabon and France. This thinker psychoanalyzed the inferiority complex that "epidermalization" creates in colonial subjects. Jean-Paul Sartre wrote the preface for a book by this philosopher that begins with a chapter "On Violence." For 10 points, name this Martinican author of *Black Skin, White Masks* and *The Wretched of the Earth*.
ANSWER: (Ibrahim) Frantz **Fanon** <VS>

13. **One effect involving these particles is derived by defining a quadratic form on pairs of Weyl [v"eye"l] spinors and taking the determinant of the associated matrix. Smirnov and Mikheyev predicted that decreasing the density of matter along the paths of these particles can resonantly enhance their coherent forward scattering. A similar behavior of these particles in free space is described by an entity that is defined by a phase difference and three (*)** mixing angles, the PMNS matrix. The seesaw mechanism predicts the existence of heavy "sterile" varieties of these particles. The differences of the squares of these particles' masses are known from measuring their oscillations, but the masses themselves are not. For 10 points, name these almost massless neutral leptons that vary between tau, muon, and electron flavors.
ANSWER: **neutrino**s [accept **antineutrino**s] (The unnamed phenomenon in matter is the MSW effect.) <GH>

14. **This author attacked the jurist George Buchanan in a pamphlet partly titled for a "reciprocal and mutual duty." This man ordered Thomas Sackville to place a tariff on a certain good, the popularity of which he blamed on "wild, godless, slavish Indians" in his treatise *A Counterblaste to Tobacco*. One attempt to kidnap this man, the Bye Plot, was so named because of its relation to another attempt at this man's (*)** throne, the Main Plot. A rival monarch may have coined this king's epithet "the wisest fool in Christendom." Further political turmoil during this king's reign included an assassination attempt led by Robert Catesby and Guy Fawkes. This successor of Elizabeth I was targeted by the Gunpowder Plot. For 10 points, name this first Stuart King of England who commissioned an eponymous Bible.
ANSWER: **James I** of England [accept **James Stuart**, **James VI** of Scotland; prompt on just James] <GC>

15. **One of these buildings contains a "Phoenix Pavilion" and "Examining-the-Heart Tower" and is located in Xī'ān. The courtyard of another of these buildings has a symbolic iron chain to force the local ruler to lower his head when entering. That one of these buildings was completed in 1616 and sports thousands of tiles hand-painted with tulips. This was the *original* function of a building that contains a hypostyle hall with red-and-white arches and is in (*)** Córdoba. The Djingue·reber and Djenné buildings of this type have logs jutting out from their walls. Colorful Iznik tiles give a nickname to one of these buildings in Istanbul named for Sultan Ahmed. The largest of these structures houses a cube-shaped structure covered in black silk. For 10 points, what buildings feature *mihrabs* and minarets?
ANSWER: **mosque**s [or **masjid**; or **jāmi'a**; or **camii**] <EF>

16. **A woman who lives in this state goes to Shell-heap Island after her husband's death to give a coral pin to her relative Joanna. That woman is friends with a retired sailor from this state who has "overset his mind with too much reading" after surviving the wreck of the Minerva and his subsequent discovery of "fog people" near the North Pole. In a book set in this state, a writer visits an elderly woman who believes she is (*)** Queen Victoria's twin. That writer visits with people like Mrs. Blackett and Captain Littlepage while staying with the herbalist Almira Todd in this state. Dunnet Landing is located in–for 10 points–what state, the setting of *The Country of the Pointed Firs* and the home state of Sarah Orne Jewett?
ANSWER: **Maine** <EA>

17. **"Arming" strains of this organism are a GRAS** [**"GRASS"**] **option for displaying larger proteins than phages can support. This organism switches between the genes found in cassettes dubbed "right" and "left" by expressing HO endonuclease every other generation. Hartwell won the Nobel for using temperature-sensitive mutants of this organism to discover the role Cdc proteins play in the (*)** cell cycle. Expression of the *MAT* locus directs shmoo formation between haploid examples of this organism, and is responsible for determining whether they are mating type a or α [alpha]. This eukaryotic organism can either reproduce by fission or by budding. For 10 points, name this unicellular model organism responsible for fermenting sourdough and beer.
ANSWER: *S. cerevisiae* [or *Saccharomyces cerevisiae*; accept **baker's yeast**; prompt on yeast or *Saccharomyces*]
<RRP>

18. **In a book titled in part for these entities, the example of flying a Boeing 737 versus a DC3 is used to illustrate the distinction between practical knowledge, or *metis*, and universal knowledge, or *techne*. A 1979 book argues that these entities act on the basis of "self-help" via internal and external processes of "balancing." A different book criticizes these entities' "high modernist" attempts to make societies "legible." That work by James C. (*)** Scott is titled for *Seeing Like* one of these entities. Max Weber defined these entities as having a "monopoly on the legitimate use of physical force." For 10 points, anarchism generally advocates for the abolition of what entities that govern countries?
ANSWER: **states** [accept *Seeing Like a **State***; prompt on **government**s or **countries**] <ES, Political Science>

19. **A character in this novel hears a group of peasants singing the poem "To a Sea-Nymph" while in Tuscany. That character witnesses a shipwreck while staying with the Villefortes, and earlier in this novel decides to keep a portrait of the Lady Laurentini that she found while burning her father's papers. In this novel, (*)** Ludovico is captured by pirates, who use a secret passageway leading to a room haunted by a ghost. The protagonist discovers a wax corpse hidden behind a black veil in the title location of this novel, which she's taken to by the secret bandit Montoni. For 10 points, name this book about Emily St. Aubert's tumultuous life and her residence at the title castle, a Gothic novel by Anne Radcliffe.
ANSWER: The *Mysteries of Udolpho* <EA>

20. **The first writing verifiably in this language was an incantation by a civil servant to expel a crocodile. Petrus Ky** [**"KEY"**] **founded the first newspaper in this language, which he used to disseminate colonial policies. This language's most widely used script was created by the missionary Alexandre de Rhodes for a multilingual dictionary including this language, Latin, and Portuguese. This language was used to write a 1077 poem declaring its country's (*)** independence called "Mountains and Rivers of the Southern Country". Education in this language was suppressed in favor of Chinese during the Chinese Dominations of its country, after which poets used this language's Chu Nom script under the Le dynasty. For 10 points, name this language spoken in imperial capitals such as Hue [hwey] and Hanoi.
ANSWER: **Vietnamese** Language [accept **Tiếng Việt**] <JM>

Bonuses

1. *Not* using one of these constructions allows one to incorporate a velocity field into FEA simulations. For 10 points each:
[10] Name these constructions that also name a method of solving for various quantities for circuit components based on splitting up the circuit into loops that don't contain other loops.
ANSWER: **mesh**es [accept **mesh** analysis or **mesh**free methods]
[10] Mesh analysis makes use of the voltage law named for this man. This man's first "circuit law" states that the sum of currents meeting at a point is zero.
ANSWER: Gustav **Kirchoff** [accept **Kirchoff's laws** or **Kirchhoff's rules**]
[10] In mesh analysis, one can find voltage drops by multiplying this quantity for a component by the mesh current. Power transfer between circuits is maximized through the "matching" of this quantity.
ANSWER: **impedance** [prompt on Z; prompt on resistance with "what about for a *general* circuit component?"]
<CM>

2. An agent placed in charge of this tribe who insisted on being referred to as "Father Meeker" was killed after writing a derogatory report to Washington about it. For 10 points each:
[10] Name this tribe that fought an earlier wave of settlers in the Tintic War and a non-Midwestern Black Hawk War. Colorado's second governor, Frederick Pitkin, campaigned on the slogan "[this tribe] must go!"
ANSWER: **Ute**
[10] The Ute fought alongside this neighboring tribe from modern Nevada in mid-century wars against settlers. The Ute were among the first tribes to convert to the Ghost Dance Religion founded by this tribe's "messiah", Wovoka.
ANSWER: **Paiute**
[10] The Ute allied with the US government in a push to suppress this religious group. This group was led by Brigham Young during an 1857 campaign nicknamed "Buchanan's Blunder."
ANSWER: Church of **L**atter **D**ay **S**aints [accept **Mormon** Church] <JM>

3. This author's arguments for Ancient Egyptian influence in Sub-Saharan African culture included a purported link between the religion of his home country's Serer people and Egypt. For 10 points each:
[10] Name this theorist who expounded his theories on pan-African religion and culture in books like *The African Origin of Civilization*.
ANSWER: Cheikh Anta **Diop**
[10] Diop was born in *this* modern country, where his politically-influential Muridiyya sect has *de facto* rule over their holy city of Touba. Arabic script is often used to write religious manuscripts in this country's Wolof language.
ANSWER: Republic of **Senegal** [or République du **Sénégal**]
[10] The Muridiyya and Tijaniyya are African-based examples of "brotherhoods" based on *this* tradition of Islamic mysticism.
ANSWER: **Sufi**sm [accept *tasawwuf*] <JM>

4. Late pieces like *Deux Légendes* by this composer are sometimes considered "proto-Impressionist." For 10 points each:
[10] Name this composer who used shimmering arpeggios in "Les jeux d'eaux à la Villa d'Este" [lay zhu DOH ah lah vee-lah DEH-stay], from the late third book of his *Années de Pélerinage* [ah-NAY de pay-le-ree-NAZH]. That collection also includes "Vallée d'Obermann" and his *Dante Sonata*.
ANSWER: Franz (Ritter von) **Liszt** [or **Liszt** Ferencz]
[10] Liszt's *Deux Légendes* narrates the life of *this* person, who is also depicted in a five-hour long opera by Olivier Messiaen.
ANSWER: St. **Francis** of Assisi
[10] "Les jeux d'eaux à la Villa d'Este" probably inspired *this* later French composer's piano piece *Jeux d'eau*. His other works include *Gaspard de la Nuit*, *Pavane for a Dead Princess*, and *Boléro*.
ANSWER: (Joseph) Maurice **Ravel** <VD>

5. Answer the following about recent state-level attempts at implementing Green New Deal-type policies. For 10 points each:
[10] Voters in this state rejected the greenhouse-tax plan proposed by Initiative 1631 in November 2018, which had been supported by its governor Jay Inslee.
ANSWER: **Washington** State
[10] This governor of New Mexico dubbed her 2019 Energy Transition Act a "Mini-Green New Deal" because it was the first official state mandate for 100 percent renewable energy.
ANSWER: Governor Michelle Lujan **Grisham**
[10] This state's city of Georgetown is the largest individual township that has a 100 percent renewable mandate by 2030. This state produces the most wind power of any US state.
ANSWER: **Texas** <GE>

6. One man in this novel is suspicious of Krajiek [kruh-jike], because his axe fits the gash in a suicide victim's face. For 10 points each:
[10] Name this novel. After a violinist in this novel kills himself by pulling a gun's trigger with his big toe, the narrator's grandmother tells Jake Marpole not to "add murder to suicide" by speculating about Krajiek.
ANSWER: *My **Ántonia***
[10] This narrator of *My Ántonia* comes from Virginia to live with his grandparents, who provide support to Ántonia and her family. Ántonia switches beds with this character to avoid the advances of her employer, Wick Cutter.
ANSWER: **Jim** **Burden** [accept either underlined portion]
[10] *My Antonia* is set in the fictional town of Black Hawk in this Great Plains state, the setting of many Willa Cather novels.
ANSWER: **Nebraska** <JMA>

7. After this country refused to give its stateless residents passports, The Comoros did so. For 10 points each:
[10] Name this country, where most citizens come from families who lived there during its Trucial States period. Zayed bin Sultan Al Nahyan ruled this country following the British withdrawal in 1971.
ANSWER: **United Arab Emirates** [or **UAE**; or al-ʾ**Imārāt al-ʿArabīyyah al-Muttahidah**]
[10] Stateless people made up a plurality of the Kuwaiti military during this 1991 conflict in which Kuwait was briefly annexed as the 19th governorate of Iraq before an American intervention.
ANSWER: **Persian Gulf** War [accept **Desert Storm** or **Gulf War** or **First Iraq War**]
[10] *Note to moderator: Read answerline carefully.* This class of stateless people in Kuwait and the UAE are descended from nomadic tribes in the area. After the Gulf War, Kuwait stripped this class of stateless people of any government benefits.
ANSWER: **bidoon** [accept **bidūn**, do NOT accept or prompt on "Bedouin"] <ZK>

8. This compound can lose a proton to form a carbanion that's stabilized by the adjacent positively-charged tetravalent nitrogen; its biological reactions use that carbanion as a nucleophile. For 10 points each:
[10] Name this compound whose pyrophosphate attacks carbonyl groups as a cofactor for several decarboxylation enzymes, like pyruvate dehydrogenase. The aforementioned carbanion-nitrogen ylide is in its thiazole ring.
ANSWER: **thiamine** [or vitamin **B₁**; accept **thiamine** pyrophosphate, **thiamine** diphosphate, **TPP**, **ThPP**, or **ThDP**]
[10] A resonance structure of thiamine's ylide form replaces the carbanion with this neutral functional group, whose involvement in thiamine's catalysis of furoin synthesis from furfural gave the first evidence of a stable one.
ANSWER: **carbene**
[10] Because thiamine donates a lone pair from its active carbon, it serves as the Lewis type of these compounds. These compounds neutralize acids.
ANSWER: **base**s [accept word forms; accept Lewis **base**s] <GH>

9. This character tells a companion that they will turn a friendship "into fell despite, their love to mortal hate, their day to night." For 10 points each:
[10] Name this member of a two-character chorus. The Ghost of Andrea repeatedly tells this character to "awake" in order to spur the children of a duke and knight-marshall to action.
ANSWER: **Revenge**
[10] Revenge catalyzes the action of this 1587 play. In this play, Bel-imperia and Hieronimo avenge Horatio's death by killing Balthazar.
ANSWER: The ***Spanish Tragedy**, or Hieronimo is Mad Again*
[10] Thomas Kyd's *Spanish Tragedy* exemplifies *this* era of English theater, in which Marlowe, Shakespeare, and Jonson got their starts.
ANSWER: **Elizabethan** [prompt on Tudor] <JMA>

10. This artist created the mural *Blueprint for a Landscape* for the 96th Street Second Avenue Subway station. For 10 points each:
[10] Name this creator of many scaffolding-like found-object installations, which often incorporate photos and videos. Her work *Triple Point* represented the U.S. at the 2013 Venice Biennale.
ANSWER: Sarah **Sze** [zee]
[10] This surrealist's work *Object* is made of many found objects, including a doll shoe, a printed map, and a perched stuffed parrot. His paintings include *The Tilled Field*, *Harlequin's Carnival*, and *Dog Barking at the Moon*.
ANSWER: Joan **Miró** i Ferrà
[10] Thornton Dial was inspired by black history to create many found-object works in *this* medium. Hannah Höch's works in this medium are made of photos and text cut out from magazines.
ANSWER: **collage**s [accept **photomontage**s] <GH>

11. This man claimed that there were two distinct types of solidarity, one based on shared beliefs and the other on mutual interdependence. For 10 points each:
[10] Name this French sociologist who argued for the existence of mechanical and organic solidarity in *The Division of Labor in Society*.
ANSWER: (David) Émile **Durkheim**
[10] Durkheim defined mechanical solidarity as the social integration of individuals with shared values and beliefs that brings about this two-word concept, which is a shared understanding of norms that unifies society.
ANSWER: **collective consciousness** [or **collective conscience** or **collective conscious**]
[10] Durkheim argued that organic solidarity would emerge alongside this other two-word feature of modernizing societies, which refers to both population growth and an increase in social contact within that population.
ANSWER: **dynamic density** <WG>

12. A poem with this characteristic published in Duke University's literary journal concludes "you are a sweet-smelling diamond architecture / that does not know why it grows" and is titled "Bristlecone." For 10 points each:
[10] Name this characteristic. In a short story by Cixin Liu, a god destroys most of the solar system to create room for an enormous cluster of poems with this characteristic after he realizes he cannot surpass Li Bai.
ANSWER: **computer-generated** poetry [accept anything about a **computer** creating poetry]
[10] A haiku-generating bot named "poem.exe" decides whether to publish or reject poems based on references to these things. In Japanese poetry, *kigo* are used to refer to these things.
ANSWER: **season**s [or **season** words]
[10] The original poem.exe publishes its poems to this site home to bots like @tinycarebot and @accidentalhaiku. poem.exe imitates haiku likely because this social media site limits posts to 280 characters.
ANSWER: **Twitter** <CMA>

13. The Mundaka one of these texts opens by contrasting "higher" and "lower" knowledge. For 10 points each:
[10] Name this set of 108 texts which often originated as commentary on the Vedas. Their ideas are further discussed in the Vedanta tradition.
ANSWER: **Upanishad**s
[10] The final layer of *this* text contains the Mundaka Upanishad. This text, which contains information about daily religious practice, is sometimes called the "Veda of magical formulas."
ANSWER: **Atharva**veda
[10] The last section of the Mundaka Upanishad discusses *this* concept, which refers to the essence of the true self. One can achieve liberation by realizing that this entity is equivalent to Brahman.
ANSWER: **Ātman** <LW>

14. Box models assume that this process has created an equilibrium in each box. For 10 points each:
[10] Name this process that connects two points on a TS diagram with a straight line. After formation, water masses undergo this process to form common water.
ANSWER: **mix**ing [accept well-**mix**ed]
[10] Water masses are classified by their positions on TS diagrams, which plot temperature against this quantity. This quantity measures the amount of dissolved ions like sodium and chloride in water.
ANSWER: **salinity** [accept **salt level** or **salt concentration**; prompt on concentration]
[10] Water masses form in this region of the ocean, which is the only region where conservative properties change. Langmuir circulation can induce mixing in this region of the ocean, which is the site of the AWI.
ANSWER: ocean **surface** <JS>

15. As of 2019, nine musicals have won the Pulitzer for Drama. Answer the following about them, for 10 points each.
[10] This Frank Loesser musical won in 1962. Its protagonist asks "aren't you proud to be in that fraternity?" in the song "Brotherhood of Man," and was played in a 1995 revival by Matthew Broderick.
ANSWER: *__How to Succeed in Business__ Without Really Trying*
[10] This composer, along with frequent collaborator James Lapine, won the 1985 Pulitzer for *Sunday in the Park with George*. Early in his career, this man wrote the book for shows like *Gypsy* and *West Side Story*.
ANSWER: Stephen (Joshua) **Sondheim**
[10] The penultimate number in 1976 Pulitzer winner *A Chorus Line* is titled "What I Did for" *this* concept. 1996 Pulitzer winner *Rent* features a song about "Seasons of" this concept.
ANSWER: **love** [accept "**What I Did for Love**" or "**Seasons of Love**"] <JMA>

16. This scandal was uncovered after a telegraph messenger boy was suspiciously caught with several weeks' wages on him. For 10 points each:
[10] Name this scandal, named for a London location where men like Lord Arthur Somerset and Henry FitzRoy committed then-illegal acts that were afterward covered up by the government.
ANSWER: **Cleveland Street** scandal
[10] The people who frequented the brothel on Cleveland Street were mostly men with this characteristic. Oscar Wilde was infamously convicted of "gross indecency" for having this characteristic.
ANSWER: **homosexual**ity [accept **gay**]
[10] This nobleman wrote a postcard calling Wilde a "posing sodomite" after discovering his son Alfred's relationship with Wilde, initiating Wilde's trial. He is better remembered for his namesake set of rules for boxing.
ANSWER: John **Douglas**, 9th **Marquess of Queensberry** [accept either, accept Marquess of **Queensberry** rules]
<CS>

17. Lake Moeris was created by a canal to this area that made it viable for agricultural production. For 10 points each:
[10] Three pharaohs named Senusret created a massive hydraulic system to export water from what area, which also names a group of encaustic funerary portraits from Ptolemaic Egypt?
ANSWER: **Fayūm** [accept **Fayum** Oasis, prompt on Western Desert or Libyan Desert]
[10] Fayūm was transformed by the Senusrets' waterworks into one of these areas. These isolated areas include Kharga and Siwa, to which Alexander the Great journeyed across the desert to visit an oracle.
ANSWER: **oases** [accept **oasis**]
[10] A New Kingdom story about flinging a king of this region into a giant lake might be an allegory for Senusret II's wars against this region. It was ruled from cities like Meroe and Napata, sometimes by queens called *kandakes*.
ANSWER: **Nubia** [accept **Kush**] <JM>

18. Czeslaw Milosz compared his poetry to the voice of this character because they both "conceived a cosmic catastrophe rather than a clearly defined political catastrophe." For 10 points each:
[10] Name this character who vows to "walk with my song torn open" in a translation by Anne Carson. A woman who convinces her husband to walk across a purple carpet murders both him and this character.
ANSWER: **Cassandra**
[10] The speaker says to "look down on yourselves from the stars" in this author's poem "Soliloquy for Cassandra." This poet wrote "After every war / someone has to clean up" in "The End and the Beginning."
ANSWER: Wislawa **Szymborska**
[10] Milosz claims that this country's proximity to Russia led to its "Cassandra complex" during the 19th century. He and Szymborska are two of this country's Nobel Laureates.
ANSWER: Republic of **Poland** <CMA>

19. One group of animals from this landmass looks much more similar to the marsupial moles than the true moles, despite being placental mammals. For 10 points each:

[10] Name this landmass that is the origin of a clade that includes the aforementioned golden moles as well as tenrecs, hyraxes, and manatees.

ANSWER: **Africa** [accept ***Afrotheria**, **afrotherian**s, or **afrothere**s; accept ***Afroinsectiphilia**, ***Afroinsectivora**, or ***Afrosoricida**]

[10] The separation of Africa from Laurasia during the early Cenozoic meant that afrotheres ["afro"-theers] like the aardvark resembles the anteater because of this evolutionary process, which produces similar body plans for organisms in the same niche.

ANSWER: **convergent** evolution [accept word forms]

[10] Tenrecs, elephant shrews, and golden moles were part of a now-obsolete order named for this feeding behavior. The sharp, interlocking teeth of members of that wastebasket taxon could penetrate chitin for this feeding behavior.

ANSWER: **insectivory** [accept **insectivore**s; accept answers indicating they **eat insects**; accept ***Insectivora** or **insectivoran**s] <GH>

20. This text claims that "everything that is known is grasped...according to the capacity of those who know it" in order to reconcile God's foreknowledge of events with human freedom. For 10 points each:

[10] Identify this dialogue, in which the author converses with a figure who wears a robe decorated with the letters "pi" and "theta." It was written while the author was in prison awaiting execution.

ANSWER: The ***Consolation of Philosophy**** [or *De **consolatione philosophiae**]

[10] *The Consolation of Philosophy* was written by *this* early Medieval philosopher, whose translations of Aristotle were some of the only Greek philosophical texts studied in the Latin West until the twelfth century.

ANSWER: Anicius Manlius Severinus **Boethius**

[10] Boethius's translations included a treatise titled for these "places" from which arguments are discovered and invented. Boethius himself distinguished these things from "*differentiae*."

ANSWER: **topics** [or ***topoi**; accept *De **topic**is differentiis* or *In Ciceronis **Topica**] <VS>

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