Tossups

---

1. In a poem, one of these animals "believes we may long for one more dream…before we come home to our strange bodies and rise from the dead." Two of these animals "bow shyly as wet swans" in a poem whose speaker observes, "There is no loneliness like theirs," and concludes, "Suddenly I realize that if I stepped out of my body I would break into blossom." An encounter with two of these animals is the subject of James Wright's "A Blessing." In another poem named for one of these animals, the speaker says, "I foam to wheat, a glitter of seas" after describing "the substanceless blue pour of tor and distances" after the "stasis in darkness." One of these animals is the title subject of Sylvia Plath's "Ariel," and another of these animals "must think it queer to stop without a farmhouse near" in a Robert Frost poem. For 10 points, name this type of animal, one of which appears in "Stopping by Woods on a Snowy Evening" and "gives his harness bells a shake."
ANSWER: **horse** [or **pony**]

2. The title song of this musician's first album, adapted from Richard Rodgers, opens with improvisations on "Good King Wenceslas" before instructing the listener to "count your raindrops." This musician's cover of Kurt Weill's "Pirate Jenny" changes the setting to a "crummy southern town" suddenly attacked by a "Black Freighter." This one-time Juilliard student wedged a segment of Bach's *Fugue in C Major* into the middle of the song "Love Me or Leave Me." The slave aunt Sarah and the mixed-race Safronia are two of the title speakers of one of this musician's songs. A thoughtless Vernon Jordan question prompted the response "Motherfucker, I AM civil rights" from this musician, who opened a song inspired by Medgar Evers' murder with the lines "Alabama's gotten me so upset, Tennessee made me lose my rest." For 10 points, name this female singer-songwriter who performed the Lorraine Hansberry-adapted "To Be Young, Gifted and Black" and the protest anthems "Four Women" and "Mississippi Goddam."
ANSWER: Nina **Simone**

3. This character is sarcastically compared to the Ancient Mariner lusting after a young intellectual in need of a "breechpad" after he briefly appears at the National Library. This character experiences a "high vast irradiation everywhere all soaring all around about the all" that produces a brief fusion between his identity and another man's, which is marked by the one-word paragraph "Consumed." A section that constantly refers to the bronze and gold hair of the barmaids Lydia Douce and Mina Kennedy ends with this character reading the last words of the patriot Robert Emmet and farting. This character is introduced by a sentence stating that he "ate with relish the inner organs of beasts and fowls." He has a vision of his dead son Rudy at the end of the "Circe" episode and is tormented by Blazes Boylan's affair with his wife Molly. For 10 points, name this protagonist of *Ulysses*.
ANSWER: **L**eopold **Bloom** [or **Leo**pold; or **Poldy**; or **P**oldy **Bloom**; prompt on Bloom]

4. After affirming that the Lord "is slow to anger but great in power," the opening lines of Nahum state that the Lord's way is in this thing. A man states that God crushes him with one of these things "and multiplies my wounds without cause" after lamenting the fact that he must appeal for mercy to his accuser. A minor prophet compares this thing to a crop that "has no stalk" and of which "the bud shall yield no meal," and predicts that even if it does yield, "foreigners shall swallow it up." After prophesying how the calf of Samaria will be broken in pieces, Hosea (ho-ZAY-ah) declares that Israel will reap this thing. A voice emerging from one of these things tauntingly asks a man if he can pull up Leviathan with a fishhook and condemns the arguments of Zophar, Eliphaz, and Bildad. The Lord's chariots are frequently compared to one of these things, as when Elijah is taken up to heaven in one of these things. For 10 points, name these weather phenomena, one of which is a manifestation of God in the Book of Job.
ANSWER: a **whirlwind** [or a **tempest**; or a **storm**; or a **tornado**]

5. By one account, this man accepted, then rejected, then finally accepted a gift of a room full of treasure after exclaiming "If such riches were mine, long ago I would have been lord of many lands!" According to legend, he hid in a coffin with a dead chicken to escape to Europe and raise an army, whose defeat forced him to agree to the Treaty of Devol. Named after a legendary giant, this likely patron of the *Gesta Francorum* destroyed the Varangian Guard for his father at the Battle of Dyrrachium (dee-RAHK-ee-um). This man's army scaled a city's walls with a rope ladder from the Armenian turncoat Firouz, and held it against Kerbogha by charging behind Peter Bartholomew's Holy Lance. The last three books of the *Alexiad* focus on the threat posed by this commander, who took up Urban II's call at Clermont as an opportunity to lop off parts of the Byzantine Empire. For 10 points, name this son of Robert Guiscard, a wily Norman mercenary who left the First Crusade to build the Principality of Antioch.
ANSWER: **Bohemond** of Taranto [or **Bohemond** of Otranto; or **Bohemond** I of Antioch]

6. A solution of orcinol, hydrochloric acid, and ferric chloride turns this color in the presence of pentoses in Bial's test. A coordination complex used to dissolve cotton and cellulose named for Schweizer (SHVITE-zehr) is this color. A set of proteins named for this color acquires it due to an LMCT band caused by charge transfer from sulfur to a certain element. An isomer of naphthalene (NAF-thah-leen) containing a five-membered ring fused to a seven-membered ring is this color. The IUPAC "Nomenclature of Organic Chemistry" book is nicknamed after this color. In a Birch reduction, addition of sodium to ammonia results in a solution of this color from the solvation of electrons. A common introductory spectro·photometry lab observes the change from pink to this color when cobalt chloride is hydrated. A common pH indicator uses a bromo·thymol derivative named for this color. For 10 points, name this color of copper two sulfate.
ANSWER: **blue** [prompt on purple]

7. Galusha Grow's shouting match with Laurence Keitt ("kate") over this document devolved into a thirty-congressman brawl in which John Potter triumphantly waved John Cadwalader's ripped-off wig. During a White House meeting over this document, the President warned a visitor to "beware the fate of Tallmadge and Rives," to which the visitor responded "I wish you to remember that General Jackson is dead." During the Senate debate over this document, James Henry Hammond made his famous allusion to a "mud-sill of society and of political government." Congressional debate over this measure eventually resulted in the English Bill, which invalidated a referendum exclusively on its Article 7 that was fixed by John C. Calhoun. The Democratic Party fractured over this document, with supporters of a furious Stephen Douglas opposing those of President James Buchanan. This document was eventually superseded by one approved in Wyandotte ("why"-an-"dote"). For 10 points, name this illegally-enacted constitution that would have legalized slavery in the new state of Kansas.
ANSWER: **Lecompton** Constitution [prompt on the Constitution of Kansas]

8. The expected number of times that this process occurs by chance is directly proportional to the search space according to the Karlin-Altschul equation. Margaret Dayhoff developed a set of constructs widely used in this process by examining the parsimony of phylogenetic trees. An algorithm that performs this process begins by taking the k-words of a given query, identifying seeds within a database, and then extending those seeds until a certain fall-off score is reached. The presence of a zero in the scoring function distinguishes the local form of this process from its global form, the former of which was developed by Michael Waterman. The NCBI website hosts an algorithm that performs this process. For 10 points, name this process, performed by the BLAST ("blast") algorithm, in which multiple nucleic acid or protein sequences are arranged to determine similarity.
ANSWER: sequence **alignment** [prompt on descriptive answers, such as looking for sequence similarity]

9. In a portrait by this artist called "Boy in Red," a child holds a string tied to a magpie that three cats eye menacingly. In another of his portraits, his possible lover wears black lace in mourning and points to the sand at her feet, where the word "only" is followed by this artist's name. This artist added a medal from the Order of the Golden Fleece to his portrait of the Duke of Wellington after completion. Theophile Gautier quipped that this artist's most famous portrait depicted "the corner baker and his wife after they have won the lottery;" in that group portrait, he included unflattering details like the king's tacky medals and Maria Josefa's awkward pose. For 10 points, name this artist who painted a candid portrait of the Count of Floridablanca and several paintings of the Duchess of Alba as court painter for Charles IV of Spain, in addition to creating the *Black Paintings*.
ANSWER: Francisco de **Goya**

10. An algorithm named the "big O of log n" algorithm performs this task, and requires that all inputs be written in the form of *A x* plus *B y* plus *C* equals zero. Another algorithm for performing this task generates pairwise intersections between edges of all of its inputs, then makes entry and exit intersections. A much simpler algorithm for performing this task generates a region of 9 outcodes with the center outcode designated by four zeros. The Greiner-Hormann algorithm for this task operates on polygons, while the Cohen-Sutherland algorithm for this task operates on lines. This task is generally performed before rasterization and after projection transformation in parallelized architectures. Occlusion culling is usually performed alongside this task to save GPU operations. For 10 points, name this operation which removes geometric objects not in the view volume.
ANSWER: geometric **clipping**

11. This leader smashed the Sealed Knot cabal with intelligence gathered by the genius spymaster John Thurloe. This leader divided his country into twelve regions, each of which was policed by a militia funded by the "decimation tax." This leader created the "Other House" to deal with the uproar over James Naylor's imitation of Christ's entry into Jerusalem. This leader commissioned William Penn and Robert Venables to attack the Spanish West Indies in the "Western Design," which failed to capture Hispaniola but did take Jamaica. After three months of debate over the Humble Petition and Advice, this man ended the Rule of the Major Generals and overruled the Instrument of Government. Under this ruler, militias attempted to abolish bear-baiting, stage plays, and Christmas. For 10 points, name this Puritan who, after the end of Barebone's Parliament, ruled England as Lord Protector from 1653 to 1659.
ANSWER: Oliver **Cromwell**

12. According to Ovid, a man with this occupation gave Aeneas a goblet depicting the story of how the Coroni emerged from the ashes of Orion's daughters. That man with this occupation had three daughters whom Dionysus turned into doves after Agamemnon kidnapped them because they could produce unlimited quantities of wine, wheat, and olive oil. Besides Anius, men with this occupation included a fugitive from Argos who traveled to Ithaca with Telemachus, as well as a Trojan prince who founded the city of Buthrotum in Epirus and succeeded Neoptolemus as the husband of Andromache. One man with this occupation descended to Hades in his chariot during the war of the Seven Against Thebes. Another man with this occupation died of shame after losing a contest to Mopsus, who correctly guessed the number of figs on a tree. For 10 points, name this occupation held by men such as Amphiaraus, Calchas, and Tiresias.
ANSWER: **seer**s [or **prophet**s; or **soothsayer**s; or **oracle**s; accept **priest**s of **Apollo** until "Buthrotum"]

13. This poem's author punned on the word for "meaning" by adding an extra *n* to the last word of the phrase "unser dunkeles Sinngrün" (UN-sah DUNK-uh-luhs ZIN-groon), or "our dark periwinkle." This poem describes a sepulchral monument "like a brother to that on the Nile, the lofty Sphinx," that "placed the face of men on the scale of the stars." In this poem, an owl draws an "indescribable outline" in a listener's "Totengehör" (TOH-ten-guh-HER), a compound literally meaning "death-hearing." This poem's speaker prays to reach "the end of ferocious insight" and "sing jubilation and glory to approving angels." In this poem, members of a race of Laments lead a dead youth away from the City of Grief to the Mountains of Primal Grief. This poem ends by imagining how "we, who think of happiness *rising*, would feel the emotion that almost overwhelms us when a happy thing *falls*." For 10 points, name this poem by Rainer Maria Rilke, the last of the *Duino Elegies*.
ANSWER: the **tenth *Duino Elegy*** [or "***Duino Elegy*** No. **10**"; or "The **Tenth Elegy**"; or "Die **Zehnte Elegie**"; or "the **last Duino Elegy**" until it is read; prompt on *Duino Elegies*; prompt on *Duineser Elegien*]

14. In an effort to revitalize a town in this state, sculptor Gary Greff placed massive metal statues of pheasants, grasshoppers, and deer along its so called "Enchanted Highway." A 2015 law in this state allows police to fire beanbag and taser rounds from drones, one of the instances of deregulation that has earned it the nickname "Silicon Valley of Drones." The 2014 documentary *The Overnighters* follows a pastor from this state who housed thousands of migrants in his church. This state's Three Affiliated Tribes are commemorated in its town of Washburn, where there is a reconstruction of Fort Mandan, where the Corps of Discovery spent the winter of 1804. This state's city of Williston was one of many that experienced rapid population growth after the technique of fracking opened up the Bakken shale. For 10 points, name this Upper Midwestern state that has experienced an oil boom since 2006.
ANSWER: **North Dakota**

15. Two different models of these entities are related by the Schrieffer-Wolff (SHREE-fer VULF) transformation. A procedure for computing these entities' thermodynamic properties consists of iteratively adding degrees of freedom along a logarithmically discretized, semi-infinite chain. The Conwell-Weisskopf and Brooks-Herring models describe a phenomenon named for these entities that, at low temperatures, is the dominant term in Matthiessen's formula for charge carrier mobility. Kenneth Wilson developed the numerical renormalization group method to explain the existence of finite minimum resistivity in systems containing these entities, which create virtual bound states that facilitate electron tunneling in the Anderson model. Zone refining decreases the concentration of these entities in semiconductors, where they act as acceptors or donors. For 10 points, name these crystal defects that result from the substitution of foreign atoms.
ANSWER: **impurities** [or **dopant**s; or **doping agent**s; accept ionized **impurity** scattering; accept **substitutional defect**s before "substitution" and prompt thereafter; prompt on crystal <u>defect</u>s or lattice <u>defect</u>s]

16. David Wilbern wrote a psychoanalytic essay on Shakespeare's usage of this word fittingly entitled "Shakespeare's [*this* word]." After insisting that Hermione and Polixenes "wish…all eyes blind with the pin and web but theirs," Leontes uses this word eight times in five lines in a frantic speech to Camillo. Gloucester tells Edmund that "the quality of [*this* word] hath not much need to hide itself" as he demands he hand over the forged letter implicating Edgar in conspiracy. Before the performance of *The Murder of Gonzago*, Hamlet puns on Ophelia's remark that she "thinks [*this* word]," calling it "a fair thought to lie between maids' legs." When asked what she can say to top her sisters' praises, Cordelia responds with this word, prompting Lear to say, "[*this* word] will come of [*this* word]. Speak again." For 10 points, name this concept that, according to the title of a play featuring Beatrice and Benedick, is the subject of "much ado."
ANSWER: **nothing**

17. An opponent of this theory argued that the answer to the question "What is the aim of chess?" may be either "checkmate" or "fame." Arthur Fine provided a middle-ground alternative to this position called "NOA" ("noah"), which Alan Musgrave analyzed in a paper titled "NOA's Ark - Fine for" this position. This position was critiqued in the "dappled world" theory of Nancy Cartwright, who espoused the "entity" version of it preferred by Ian Hacking and the Stanford School. An alien community that observes a "thermally incandescent river of molecules" instead of "fire" was used to defend this position by Paul Churchland, who objected to Bas van Fraasen's alternative theory to it. Hilary Putnam's "no miracles" argument for this position is undermined by Larry Laudan's "pessimistic induction" against it. It developed to compensate for faults in logical positivism, and holds that theories make metaphysical, semantic, and epistemological commitments. For 10 points, name this epistemic position in the philosophy of science, which holds that the objects of scientific analysis actually exist.
ANSWER: scientific **realism**

18. The first critical biography of this composer was published in 2016 and written by John Harley. In her book on this composer, Suzanne Cole traces the publication and reception history of his setting of the Preces, Responses, and Litany, which was deemed his greatest work during the 19th century. This composer's unusually large-scale seven-voice motet *Suscipe quaeso* (soo-SKEE-pay KWY-soh) is sometimes thought to be related to his seven-voice mass *Puer natus est nobis*. Along with one of his students, this composer was granted a 21-year monopoly on printing music in 1575. In a piece by this composer, melodies are gradually passed between eight different choirs before a passage in which all forty voices sing together. For 10 points, name this teacher of William Byrd who composed the motet *Spem in alium*, as well as a theme used as the subject of a fantasia by Ralph Vaughan Williams.
ANSWER: Thomas **Tallis**

19. In a classic experiment on this process, participants were divided into two groups, which both watched a video of a job interview; one group was told the job was "submariner," while the other was told it was "astronaut." Harold Kelley put forward the "covariation principle" governing this process, which relies on consensus, distinctiveness, and consistency. The "father" of psychological studies of this effect was Gestalt psychologist Fritz Heider. Bernard Weiner analyzed this cognitive process with relation to achievement. A failure in this process was uncovered in an experiment by Edward Jones, who presented subjects with essays praising Fidel Castro. This process is distorted in the self-serving bias and the just-world bias. For 10 points, name this cognitive process of inferring the causes of events, which is distorted by the correspondence bias in a namesake "fundamental error."
ANSWER: causal **attribution**

20. In one country, this industry was built by German immigrants led by Robert Dieseldorff and raised funds to support the Nazis. An oligarchy built on this industry ordered occultist general Maximiliano Hernandez Martinez to gun down 30,000 peasants wearing the traditional garb of the Pipil Indians. This industry, which provided the wealth of the "Fourteen Families," was supported in another country by the protectionist "valorization" program. This industry was introduced to the Americas by Gabriel de Clieu. Rafael Uribe Uribe led a group of interests in this industry in signing the Treaty of Neerlandia to end the Thousand Days' War. The *coronelismo* system of patronage was built on this industry, which names, with milk, the First Brazilian Republic. For 10 points, name this agricultural industry that undergirds the economies of Brazil and Colombia, which sell beans to Starbucks.
ANSWER: **coffee**

TB. This ruler sponsored miniaturists who illustrated the *Tales of a Parrot* and *Tales of Amir Hamzah* in his court's characteristic naturalistic style. This ruler kept on his predecessor's finance minister, Todar Mal, who standardized weights and measures in the *dahsala* system. This ruler's expansion southward was aided by his sack of Chitor Fortress during the war against Mewar. This ruler formalized an elaborate bureaucracy in which officeholders held 33 numerical ranks between 10 and 5,000. This ruler introduced a system in which administrators maintained numbers of troops according to their assigned *zat* and *sawar* numbers and were given a rank divided by ten, the *mansabdari* system. The historian Abu'l Fazl was one of the "Nine Jewels" at this ruler's Persianate court, which he established after throwing off his childhood tutor, Bairam Khan. For 10 points, name this 16th-century Mughal emperor who built Fatehpur Sikri and succeeded Humayun.
ANSWER: **Akbar** the Great

1. This 1977 film includes a series of low-angle shots of children jumping between rooftops. For 10 points each:
[10] Name this plotless film comprising a series of vignettes about black life in Watts, where the director grew up. Dinah Washington sings over its final scene in which Stan handles the title animals at his workplace.
ANSWER: **_Killer of Sheep_**
[10] _Killer of Sheep_ was directed by Charles Burnett, whose approach to filmmaking is often contrasted with that of this other black American director of _Malcolm X, Do the Right Thing,_ and the story mode of _NBA 2K16._
ANSWER: Spike **Lee**
[10] In _Do the Right Thing,_ Radio Raheem shows off his rings reading "LOVE" and "HATE" and tells "the story of right hand, left hand" in an homage to a scene from this film noir directed by Charles Laughton. In this film, Robert Mitchum plays a reverend and serial killer who stalks a pair of children.
ANSWER: _The **Night of the Hunter**_

2. In this story, Char swallows laundry blueing as a girl after she learns that Blaikie Noble has gotten married. For 10 points each:
[10] Name this story in which Et drives Char to commit suicide decades later with a casual lie about Blaikie's affairs, then leads a happy _de facto_ marriage with Char's husband.
ANSWER: "**Something I've Been Meaning to Tell You**"
[10] "Something I've Been Meaning to Tell You" was written by this Canadian short story writer whose other collections include _Dance of the Happy Shades_ and _Runaway._
ANSWER: Alice **Munro**
[10] Edith and Sabitha forge a series of letters ostensibly from Sabitha's father Ken to the poor housekeeper Johanna in a Munro story whose title traces the trajectory from "hateship" to "friendship" to "courtship" to _this_ state, which is followed by "marriage."
ANSWER: **loveship** [or "**Hateship, Friendship, Courtship, Loveship, Marriage**"; do not accept "love"]

3. The Grunwald-Winstein equation relates the rate constant of a reaction to the ionizing power of these substances. For 10 points each:
[10] Name these substances used to dissolve solutes and which include acetone and ethyl acetate.
ANSWER: **solvents**
[10] The polarity of a solvent can be quantified with this dimensionless parameter commonly symbolized by the letter kappa. For example, water has a value of about 80, and dichloromethane has a value of about nine.
ANSWER: **dielectric constant** [accept **relative permittivity**; do not accept "permittivity" or any other kind of "permittivity"]
[10] This scientist developed a model to predict whether one compound will dissolve in another by defining each molecule with a set of three parameters corresponding to its dispersion forces, dipole forces, and hydrogen bonds, then visualizing the locations of two molecules in a 3D grid.
ANSWER: Charles **Hansen**

4. The right-hand side of the first of these equations can be written in terms of negative powers of the scale factor, with coefficients given by the current values of the density parameters. For 10 points each:
[10] Name these equations that model the time evolution of the geometry of a homogeneous and isotropic universe.
ANSWER: **Friedmann** equations
[10] The Friedmann equations imply that the scale factor was proportional to this power of time during the matter-dominated era of our universe. You can give your answer as a number or use the phrase "time to the [blank] power."
ANSWER: **two-thirds** [or time to the **two-thirds** power]
[10] The left-hand side of the second Friedmann equation can be written as the square of this parameter plus its time derivative. This parameter's value today is constant at approximately seventy kilometers per second per megaparsec.
ANSWER: **Hubble** parameter [or **Hubble** constant]

5. This organization was created during the Great Depression by Goodwill Industries-founder Abraham Vereide, and it is currently led by Douglas Coe. For 10 points each:
[10] Name this secretive Christian group which houses Republican congressmen in its "C Street Center" dormitory.
ANSWER: The **Fellowship** Foundation [or The **Family**]
[10] The Fellowship Foundation may be best known for hosting this DC meeting on the first Thursday of February each year. Ben Carson launched his political career by using his keynote speech at this event to criticize Obamacare.
ANSWER: **National Prayer Breakfast**
[10] This televangelist, who hosted the *Hour of Decision* radio show and frequently counseled Eisenhower and Nixon, helped Vereide establish the National Prayer Breakfast.
ANSWER: Billy **Graham**

6. Due to the rising power of this city, Julius II united France, the Holy Roman Empire, and Aragon into the "League of Cambrai" in 1508. For 10 points each:
[10] Name this Italian republic that was crushed at the Battle of Agnadello (ahn-yah-DEL-lo), but was then preserved due to the usefulness of its naval power against the Ottomans.
ANSWER: **Venice** [or **Venezia**]
[10] During the War of the League of Cambrai, Venetian cavalry and French artillery defeated Swiss pikemen at this 1515 battle. As a consequence of this battle, Francis I conquered the Duchy of Milan.
ANSWER: Battle of **Marignano** (mah-rin-YAH-no)
[10] The rise of cannon usage boosted the economy of this kingdom, whose Falun Copper Mine produced up to two-thirds of Europe's copper in the 17th century.
ANSWER: Kingdom of **Sweden**

7. These peptides can be used to purify target proteins by attaching them to a chitin-binding domain in N·E·B's IMPACT kit. For 10 points each:
[10] Name these peptide sequences that are capable of excising themselves from a larger protein. They often contain homing endo·nuclease domains, which will cleave the DNA of a host to integrate their own genetic sequence into other genes.
ANSWER: **inteins** ("IN-teens") [do not accept "introns"]
[10] Inteins are an example of "selfish genes," according to a theory postulated by this British evolutionary biologist and outspoken atheist who also wrote "The Greatest Show on Earth".
ANSWER: Richard **Dawkins** [or Clinton Richard **Dawkins**]
[10] Other examples of selfish genes include B chromosomes, which are largely nonessential, but were recently shown to govern this process in cichlids. In some reptiles, temperature governs this process by affecting the activity of aromatase, and in *Drosophila* it occurs through alternative splicing of the *transformer* mRNA.
ANSWER: **sex determination** [accept equivalents like **being male** or **female**, do NOT accept "determining gender" or any answers that use the word "gender"]

8. In 1942, Baron Gustav Braun von Sturm announced that the Luftwaffe would retaliate against the bombing of Lubeck by bombing every building in Britain marked with three stars in one of these books. For 10 points each:
[10] Name these German-published travel guides famed for their bright red covers with gold lettering.
ANSWER: **Baedeker** ("BAY-decker")
[10] After Miss Lavish steals her Baedeker, Lucy Honeychurch mourns that she will not know which slab in Santa Croce is really beautiful in this E. M. Forster novel.
ANSWER: *A **Room with a View***
[10] One of the goals of this government project was to create an "American Baedeker," which it accomplished with the American guide series. This arm of the Works Progress Administration employed John Steinbeck and Conrad Aiken.
ANSWER: **Federal Writers' Project** [or **FWP**]

9. A genealogical attempt to criticize the "self-evident character" of this concept concludes with an analysis of changing laws in colonial Egypt. For 10 points each:
[10] Name this concept. Talal Asad wrote about "formations" of this concept, which spread in a "nova effect" according to a Charles Taylor book on its "age."
ANSWER: the **Secular** [or word forms]
[10] This teacher of Talal Asad, a British anthropologist, studied the Nuer and also authored *Witchcraft, Oracles, and Magic Among the Azande*.
ANSWER: E. E. **Evans-Pritchard** [or Edward Evan **Evans-Pritchard**]
[10] This social theorist's *Muslim Society* characterizes Islam as a "pendulum swing" between sentiment-based tribal religion and scripture-based urban religion. Another of his books dismisses the "Dark Gods Theory" and "Wrong Address Theory" of the title concept.
ANSWER: Ernest **Gellner**

10. In a letter addressed to this man, the author summarizes his course of study and says he is sprouting wings and practicing flight after confessing, "You ask what I am thinking of? So help me God, immortality." For 10 points each:
[10] Name this man, who is also the subject of the 1639 elegy "Epitaph for Damon" and the dedicatee of the same author's first and sixth elegies.
ANSWER: Charles **Diodati**
[10] Diodati was the best friend of this English poet, who wrote a more famous elegy for Edward King, a man he hardly knew, entitled "Lycidas."
ANSWER: John **Milton**
[10] Milton's letters and elegies to Diodati were written in this language, which he taught his nephews how to sight-read in a single year.
ANSWER: **Latin**

11. Answer the following about the spread of Buddhism, for 10 points each.
[10] The 4th Buddhist Council was sponsored by Kanishka the Great, a ruler of this Yuezhi (YWAY-jee) empire who spread Buddhist teachings to China by conquering the Tarim Basin.
ANSWER: **Kushan** Empire
[10] This Mauryan ruler left "rock" and "pillar" edicts recording his conversion to Buddhism after conquering Kalinga.
ANSWER: **Ashoka** the Great
[10] Buddhism also spread by way of this city along the Silk Road in modern-day Turkmenistan. This sometime capital of the Seljuq Empire and site of Alp Arslan's tomb was the most populous city in the world in the 12th century. Then it met the Mongols.
ANSWER: **Merv** [accept **Meru** or **Mary**]

12. On a fishing trip at a lakeside lodge, the protagonist of this novel simultaneously drowns and baptizes his mentally disabled cousin Bishop. For 10 points each:
[10] Name this novel about a boy who is kidnapped and raised in the woods by his great-uncle Mason to become a prophet. When his great-uncle dies, this novel's protagonist gets drunk instead of burying him and flees to the city.
ANSWER: The *Violent Bear It Away*
[10] The Violent Bear It Away was written by this Southern woman, whose other Catholicism-influenced works include the novel *Wise Blood* and the story collection *Everything That Rises Must Converge*.
ANSWER: Flannery **O'Connor**
[10] In *The Violent Bear It Away*, young Tarwater mocks his atheist uncle Rayber for his dependence on one of these devices, which he requires as a consequence of old Tarwater shooting him when he tried to reclaim the kidnapped boy.
ANSWER: a **hearing aid** [or obvious equivalents]

13. This man compiled ancient knowledge on medicine and astrology into his *Three Books on Life,* and is credited with popularizing the concept of "Platonic Love." For 10 points each:
[10] Name this Italian Renaissance philosopher who translated Plato's complete works into Latin.
ANSWER: Marsilio **Ficino** (fih-CHEE-noh)
[10] Inspired by the Byzantine Neo-Zeusist Gemistus Plethon, Ficino founded a Florentine version of this ancient Athenian school where Plato taught students like Aristotle.
ANSWER: the Platonic **Academy**
[10] This anonymous Middle English text from the 14th century is written in the tradition of Neoplatonic mysticism. It advocates coming to know God by the *via negativa,* concealing all thoughts of physical reality behind the title construct.
ANSWER: *The **Cloud of Unknowing***

14. The Exner equation quantifies sediment conservation in these systems. For 10 points each:
[10] Name these systems that create point bars at their inside banks via the deposition of soil that has been eroded from their outside banks.
ANSWER: **river**s [or **stream**s; or **fluvial** systems; or **meander**s]
[10] These areas are the transition zones between fluvial systems, such as a river, and terrestrial systems, such as the land next to the river. These ecosystems are characterized by hydrophilic vegetation and biofiltration of pollutants.
ANSWER: **riparian** zone [or **riparian** area]
[10] This process occurs when a river flow migrates from a parent channel into another channel with a steeper slope. Examples of this process include delta switching and meander cutoff.
ANSWER: **avulsion**s

15. In this piece, inspired by the composer's visit to Granada, the "i," "m," and "a" fingers play a melody entirely tremolo as the thumb plays a counter-melody. For 10 points each:
[10] Name this virtuoso guitar piece by Francisco Tarrega.
ANSWER: ***Recuerdos de la Alhambra*** [or ***Memories of the Alhambra***]
[10] This guitarist and composer of fifteen guitar quartets gave a guitar to his friend Hector Berlioz. He commissioned *Harold in Italy* from Berlioz after acquiring a Stradivarius viola, but was dissatisfied with the solo part.
ANSWER: Niccolò **Paganini**
[10] This contemporary Australian classical guitarist commissioned guitar concertos from Andre Previn and Stephen Dodgson. He shares his name with a composer of film scores known for collaborating with Steven Spielberg and George Lucas.
ANSWER: John **Williams**

16. After this battle, the Greeks designed the Serpent Column to hold a tripod inscribed with the names of all the victorious cities. For 10 points each:
[10] Name this Panhellenic victory of 479 B.C., in which the Greeks, under the leadership of Athens and Sparta, defeated Mardonius' invading Persian army at a site in Boeotia (bee-OH-shah).
ANSWER: Battle of **Plataea** (plah-TEE-ah)
[10] The Panhellenic colony of Thurii (thoo-ree-"eye") was established at the direction of Pericles in this larger region. This term refers to colonies like Croton and Sybaris that first brought Greek culture to southern Italy and Sicily.
ANSWER: **Magna Graecia** ("magna" GREE-see-ah or GREE-shah) [or **Megale Hellas**]
[10] After that all went to shit in the Peloponnesian War, this 4th-century orator of the "Panegyric" pleaded to several successive strongmen, including Dionysius I and Philip II, to take over Greece and forge a Panhellenic coalition against the Persians. Alexander the Great eventually did so.
ANSWER: **Isocrates**

17. In this scenario, the first participant receives a set sum of money and must choose how much to give to the second participant, who must accept what they receive unconditionally. For 10 points each:
[10] Name this experimental scenario in behavioral economics, in which the first participant usually gives money to the second even though there is no requirement to do so.
ANSWER: **dictator** game
[10] This social psychologist formulated the "empathy-altruism" hypothesis on how altruistic feeling develops. In an experiment conducted with Darley, this man had participants found reading the parable of the Good Samaritan had no effect on participants helping those in need.
ANSWER: Daniel **Batson**
[10] Batson's experiment is part of the literature on this effect, which is often incorrectly but vividly illustrated with the case of the murder of Kitty Genovese.
ANSWER: **bystander** effect

18. Answer the following about composite paintings, for 10 points each.
[10] Giuseppe Arcimboldo, who painted many composite paintings of people made of books and wine jars, painted his patron Rudolf II as this Roman god. A Jacopo Pontormo lunette at a Medici villa depicts him with his lover.
ANSWER: **Vertumnus**
[10] This artist painted his wife's image emerging out of floating spheres in his *Galatea of the Spheres*, in addition to painting a bunch of melting clocks in *The Persistence of Memory*.
ANSWER: Salvador **Dali**
[10] Elephants, fish, and birds make up this creature's body in an image from the Deccan. In Islamic art, this creature is more commonly depicted with a woman's crowned head and a tail that turns into another woman's head.
ANSWER: **Buraq**

19. Name some things about traditional Muslim rituals associated with childbirth, for 10 points each.
[10] This ritual, which is known as khitan, is usually performed on Muslim males on the seventh day after their birth.
ANSWER: **circumcision**
[10] Just after birth, a father typically whispers this call to prayer into the right ear of the newborn. Give the Arabic term for this phrase, which combines the text of the Takbir with that of the Shahada.
ANSWER: **adhan**
[10] Seven days after the birth of a child, it is customary to contribute gold or silver to charity in an amount determined this way.
ANSWER: equal to the **weight of the child's hair** [or obvious equivalents]

20. This author wrote six passages designated A through F, each answering the question "What happens next?" after John and Mary meet, in her short story "Happy Endings." For 10 points each:
[10] Name this author whose other short fiction includes the stories published in *Dancing Girls*, such as "The Resplendent Quetzal" and "Rape Fantasies."
ANSWER: Margaret **Atwood** [or Margaret Eleanor **Atwood**]
[10] 195 variations on the sentence "Your letter pleased me greatly" appear in Chapter 33 of *Copia: Foundations of the Abundant Style* by this Dutch humanist better known for *Julius Exclusus* and *The Praise of Folly*.
ANSWER: Desiderius **Erasmus** Roterodamus [or **Erasmus** of Rotterdam]
[10] Bach's *The Art of the Fugue* inspired this experimental Raymond Queneau novella, which narrates a mundane encounter on a Parisian bus 99 times in different modes, including Cockney prose and alexandrine verse.
ANSWER: *Exercises in Style* [or *Exercices de Style*]