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Toss Ups:

1. **An author from this nation created an insomniac protagonist who is introduced to The Weaver Festival Phenomenon by Urara in the novel *Kitchen*. In another novel from this country, Li teaches boys from a reformatory school how to hunt birds, resulting in a festival. A medium named Malta Kano and her sister Creta are enlisted in helping find a (*) cat in this country in another novel from here. A novelist from this nation created the drama student Toru in his novel *Norwegian Wood* and wrote the novel *The Wind-up Bird Chronicle*. For 10 points, name this home country of Kenzaburo Oe and Haruki Murakami.**

ANSWER: Japan [accept Nippon] <Peter/Ed. AS>

2. **Michael Dugan was fired during this conflict for revealing plans to bomb a capital city. Veterans of this conflict suffered from a namesake “syndrome” which is thought to be a result of the combination of tropical disease vaccinations and organophosphate insecticides. One side in this conflict intentionally pumped 6 to 8 million barrels of (*) oil into a body of water, polluting about 400 miles of coastline. Sheikh Jaber al-Sabah fled his nation during an invasion in this conflict. A meeting in Helsinki saw the United States and the Soviet Union agree to intervene in this conflict, which saw many casualties along the “Highway of Death.” For 10 points, name this early 1990s conflict in which a Saddam Hussein-led Iraq invaded neighboring Kuwait.**

ANSWER: (First) Persian Gulf War [accept Iraqi invasion of Kuwait before “Iraq”; do not accept “Iraq War”] <Taylor/Ed. PT>

3. **In a story by this author, a character faints after ordering a chicken sandwich and milk while on a date with her boyfriend, Lane Coutell. In that story, the title character discusses a book in which a Russian monk learns to pray without ceasing titled *The Way of a Pilgrim*. In another story by this man, a woman leaves to drink martinis after applying suntan lotion to her daughter. A man kisses the arch of a little (*) girl’s foot shortly before shooting himself in a story by this author in which Seymour Glass discusses the title aquatic animal. The collection *Nine Stories* was written by—for 10 points—what author of “A Perfect Day for Bananafish” who also wrote about Pencey Prep dropout Holden Caulfield in *The Catcher in the Rye*?**

ANSWER: J(erome) D(avid) Salinger <Alex/Ed. AS>

4. **Orbitals with more p character move towards electronegative groups and decrease this quantity according to Bent’s rule. Torsional effects and a value of this quantity that is lower than expected for sp-three hybridized carbons both cause high ring strain in cyclopropane. Nonbonding (*) pairs and double bonds tend to reduce this quantity because they exert strong repulsive forces on adjacent electron domains. The ideal form of this quantity can be calculated from the law of cosines given the necessary bond lengths, and this quantity for tetrahedral complexes is 109.5 degrees. For 10 points, name this quantity defined as the angle between connected nuclei in a molecule.**

ANSWER: bond angle <Jonathen/Ed. JS>

5. **One ruler of this name allowed Algirdas of Lithuania to capture Bryansk without military response. That ruler's predecessor became a monk, then perished in the Black Plague; that brother was Simeon the Proud. The sixth ruler of this name was known as "the nameless one" during his imprisonment at Shlisselburg. An earlier Grand Duke of this name notably annexed Uglich and Galich by lending their rulers money until they defaulted. The third ruler of this name used a verbal error to give him precedent to march on (*) Novgorod; that man famously "threw off the Tatar yoke," freeing Russia from the Golden Horde. For 10 points, what name was possessed by rulers known as "Moneybags," "The Great," and "The Terrible?"**

ANSWER: Ivan [Accept Ivan II Ivanovich; accept Ivan VI Antonovich; accept Ivan I Daniilovich Kalita; accept Ivan III Vasilyevich; accept Ivan "The Fair"; accept Ivan "Moneybags," "The Great," or "The Terrible" before mentioned] <Tracy/Ed. PT>

6. **This playwright depicted a series of ninety consecutive meals across generations of a family in *The Long Christmas Dinner*. In another of this author's plays, a man is sworn in as the president of the Honorable Association of Mammals. In that play by this man, a maid disguised as a beauty queen, (*) Sabina, attempts to seduce George. Another play by this man ends with a character reliving her 12th birthday and features characters such as George Gibbs and Emily Webb. In that play by this man, the Stage Manager guides the audience around Grover's Corners. For 10 points, name this American playwright of *The Skin of Our Teeth* and *Our Town*.**

ANSWER: Thornton Wilder <Alex/Ed. AS>

7. **This number is the first sublime number, with the next one having 76 decimal digits. This number is the order of the smallest alternating group, which can be defined as the set of even permutations of 4 elements. In three dimensions, this many spheres can touch a central sphere without overlapping. Zeta of negative one and the Ramanujan summation of the series whose terms are the natural numbers are both equal to negative one (*) over this number. Partially because it is the smallest number with four non-trivial factors, the Dozenal Society advocates for global adoption of base-[this number] in order to simplify everyday arithmetic. For 10 points, identify this number of sides in a dodecagon, which is the number of (emphasize) *edges* of a cube.**

ANSWER: 12 <Leo/Ed. JS>

8. **One of these items inspired the name for Roman auction houses known as the "Hastarium." The Barsha, a variant of this item, was wielded by an armed contingent of Sikhs called the Nihang. A red horse hair tassel is found below the head of a Chinese form of this weapon known as the Qiang. The (*) Assegai was a weapon of this type equipped by Shaka's armed body of men known as Impi. The Sarissa was an elongated version of this weapon wielded by Hellenic soldiers such as the Hoplites. For 10 points, name this type of pole weapon with forms such as the pike and lance.**

ANSWER: spear [accept pike before mentioned] <Peter/Ed PT>

9. **The jazz trio Vein released a 2017 album of re-imaginings of this composer's pieces as jazz songs, including his *Five O'Clock Foxtrot*. A piano four-hands piece this composer originally wrote for the Godebski children was later orchestrated as a five-piece suite called *Mother Goose*. This composer used the structure of a baroque dance suite in his solo piano suite written in honor of (*) Francois Couperin. In this composer's most famous piece, the repetitive melody is carried by the flute, then the clarinet, then the bassoon, and eventually by the tenor saxophone, all over a $\frac{3}{4}$ snare drum ostinato. For 10 points, name this French composer best known for his *Bolero*.**

ANSWER: Maurice Ravel <Taylor/Ed. TH>

10. **The Weinberg-Witten theorem states that for a massless particle with spin greater than one half, this quantity is not Lorentz-covariant. Shot noise is proportional to the square root of the average value of this quantity, and in the Shockley diode equation this quantity is proportional to an exponential minus one. The Lorentz force on a straight wire equals the cross product of (*) magnetic field with this scalar quantity times the length vector. The time derivative of the D field equals one form of this quantity that Maxwell added to Ampere's law; that is the "displacement" variety of this quantity. Power equals resistance times the square of this quantity that equals V over R according to Ohm's law. For 10 points, name this quantity defined as the flow of electric charge.**

ANSWER: electric current [or I; accept displacement current; do not accept or prompt on "j" as that refers to current density] <Leo/Ed. JS>

11. **An emperor of this dynasty signed the Shanyuan treaty, elevating the Khitan state of Liao as equals to the imperial dynasty. Thinkers like Cheng Yi and Zhu Xi developed Neo-Confucianism by mixing in Buddhist ideals during this dynasty. The first emperor of this dynasty, Taizu, ended the disruptive period of (*) Five Dynasties and Ten Kingdoms in China. This Chinese dynasty developed gunpowder to repel Jurchen invaders, only to enter its “Southern” period after the north was lost to the Jin Dynasty. For 10 points, name this Chinese Dynasty overthrown by Mongol invaders who established the Yuan Dynasty.**

ANSWER: **Song** dynasty [Accept **Southern Song**] <Peter/Ed. PT>

12. **Antonello Da Messina’s version of this scene features a small owl and a snake slithering through a skull in the foreground. The left panel of a colorful Van Eyck diptych shows this Biblical scene flanked by a version of the Last Judgment. The central panel of the *Isenheim Altarpiece* shows this scene. Raphael painted a (*) “Mond” version of this scene, in which the central figure is flanked by two angels. An extremely wide version of this scene by Tintoretto shows light emanating from its central figure, who is offered a sponge soaked with vinegar. For 10 points, name this common artistic scene that takes place on Golgotha and sees a man nailed to a wooden object.**

ANSWER: The **Crucifixion** of Jesus Christ [accept descriptive answers indicating **Christ** is on the **cross**; do not accept “Descent from the Cross”] <Taylor/ Ed. TH>

13. **In a poem about one of these animals, the speaker entreats the title creature to “hurry back to Spain” after asking “Why winter here?” That poem is “Advice to *this animal* in Russia” by Joel Barlow. One of these animals is called “Prophet” and “Thing of Evil” in a different poem after it is asked “Is there (*) balm in Gilead?” The speaker of that poem assumes the tapping of this animal at his chamber door is first a visitor then the wind before seeing it perched on a bust of Pallas. For 10 points, name this bird that repeatedly squawks “Nevermore” in an Edgar Allan Poe poem.**

ANSWER: **raven** [prompt on **bird**; do NOT accept or prompt on other more specific kinds of bird] <Taylor/Ed. AS>

14. **The 4-channel method has been replaced by the 2-channel method in a form of this technique done “by synthesis” in a line of benchtop machines. It’s not mapping, but the Lander-Waterman equation uses the Poisson distribution to calculate a statistic for this technique defined as N times L over G; that statistic is the coverage of this technique. Scaffolds are constructed from contigs and gaps in one form of this technique. **oriS** and **parA** are common components of (*) BACs, which are used as vectors in this technique. ddNTPs terminate elongation in one form of this technique developed by Sanger. Chain-termination and shotgun are varieties of—for 10 points—what technique that determines the order of nucleotides in a double stranded nucleic acid?**

ANSWER: **DNA sequencing** [prompt on **sequencing**; accept **Illumina sequencing**; accept **Solexa sequencing**; accept **shotgun sequencing**; accept **Sanger sequencing**; accept **chain-termination sequencing**] <Jonathen/Ed. JS>

15. **One maxim associated with this philosopher’s school of thought was “all things in common among friends.” This philosopher preached a form of reincarnation known as “metempsychosis,” or “transmigration of souls,” and he described how the noise made by the planets combines into a celestial “music of the spheres.” Followers of this philosopher, who lived in the city of Croton, abstained from (*) eating beans since they believed they had souls. This philosopher is best known for discovering the mathematical relation that can be generalized as the law of cosines and which is the basis of the distance formula. For 10 points, name this philosopher whose namesake “theorem” relates the length of the right triangle’s hypotenuse to the length of the other two sides.**

ANSWER: **Pythagoras** of Samos [accept **Pythagorean theorem**] <Alex/Ed. AS>

16. **This economist defined one concept as the economic advantage of using a given land site in contrast to the least productive one in his formulation of the Law of Rent. Consumers are hypothesized to internalize the government’s budget constraints in a concept named for this man. That concept named for him implies that the method used for financing government spending doesn’t affect consumption differently, this man’s namesake (*) “equivalence.”** This economist also developed a theory in which countries should produce goods for which they have the lowest autarky price, which he illustrated using English cloth and Portuguese wine. For 10 points, name this economist who developed the classical theory of comparative advantage.

ANSWER: David **Ricardo** <Yonathan/Ed. AS>

17. **Early texts of this religion described sex as a “Joining of the Essences,” and advocated men stopping just short of orgasm to preserve their life force. Members of this religion often pull all-nighters on the 57th day of every 60-day cycle, to prevent a set of evil worms from leaving their body to snitch about their misdeeds. To starve those same worms, this religion’s followers often refuse to eat grains of any sort in a ritual known as (*) *bigu*.** Members of this faith may congregate at the White Cloud Temple, and utilize both “internal” and “external” forms of alchemy to achieve immortality, thus becoming *xian* (SHEE-EN). Compassion, moderation, and humility are typically referred to as this religion’s “three treasures.” “Non-action,” or *wu wei*, is advocated in—for 10 points—which primarily Chinese religion, founded by Laozi?

ANSWER: **Taoism** [accept **Daoism**, anti-prompt on Quanzhen, anti-prompt on Zhengyi] <Tracy/Ed. TH>

18. **A prison cook who appears in a film named for this character repeatedly says “I don’t do nothing for no one for nothing.” In that film this character works as a window washer to earn enough money to buy an antique pop up book for his Aunt Lucy, though he is framed for the theft of the book by the actor-criminal Phoenix Buchanan. In an earlier film, this character is pursued by the museum taxidermist Millicent Clyde after he is adopted by the (*) Brown family, whose matriarch is played by Sally Hawkins.** This character first appeared in a 1958 book by Michael Bond, and was named for the London train station where he was found. For 10 points, name this orange marmalade-guzzling Peruvian brown bear who appeared in namesake 2014 and 2017 films.

ANSWER: **Paddington** Brown [or **Paddington** Bear; prompt on “Brown” until mentioned] <Taylor/Ed. TH>

19. **This person was criticized in January 2018 for crashing the Mike Cernovich-organized “Night of Freedom” alt-right event. This person is currently challenging incumbent Ben Cardin for a Maryland US senate seat. The “Collateral murder” video and a document called Reykjavik13 were first made known by an act of this person. One of President Obama’s (*) last acts in office was to commute the sentence of this person from 35 to 7 years, allowing for her release in 2017 after years of solitary confinement.** For 10 points name this former US Army soldier, a transgender woman who violated the Espionage Act after leaking thousands of documents concerning the wars in Iraq and Afghanistan.

ANSWER: Chelsea **Manning** [grudgingly accept Bradley **Manning** (but please inform them they should not do this)] <Taylor/Ed. TH>

20. **A Gian Carlo Menotti opera named for one of these objects centers on Ben and Lucy, the latter of whom is constantly distracted by one of these objects. An opera by Francis Poulenc for one soprano and orchestra centers on the suicidal Elle who uses one of these objects for its duration. Salvador Dali created a surrealist sculpture by combining one of these objects with a (*) lobster.** The Harvard sentences are often used to test these objects. Controversy exists as to whether Elisha Grey or another man actually invented this device. The first phrase transmitted on one of these devices was “Mr. Watson, come here, I want to see you.” For 10 points, name these communication devices invented by Alexander Graham Bell.

ANSWER: tele**phone** [accept landline **phone** or rotary **phone**] <Taylor/Ed. TH>

Bonuses:

1. The allowed energies of the hydrogen atom are proportional to the reciprocal of the square of this quantity. For 10 points each:

[10] Name this quantity that was first used by Bohr to identify electron orbits of different radii. For a given electron shell, l takes on values from 0 to this quantity minus one.

ANSWER: **principal quantum number** [accept **n**]

[10] The principal quantum number is written in front of s, p, d, or f in this representation of the placement of electrons in an atom. For neon, this representation is written 1-s-2, 2-s-2, 2-p-6.

ANSWER: **electron configuration**

[10] This set of rules used in determining electron configuration says that electrons should be arranged to maximize spin, and once spin has been maximized, electrons should be placed to maximize orbital angular momentum.

ANSWER: **Hund's** rules <Jonathen/Ed. JS>

2. This thinker's most recent book *Enlightenment Now* argues that human life has improved over the last century in every empirically measurable metric. For 10 points each:

[10] Name this cognitive scientist and popular science writer, whose works such as *The Language Instinct* and *Words and Rules* argue that humans possess an innate capacity for language use.

ANSWER: Steven **Pinker**

[10] Pinker's earlier book *The Better Angels of our Nature* argues that this broad practice has declined over time, leading to a more stable world. This practice is often defined as the intentional use of physical force or power.

ANSWER: **violence** [accept word forms like **violent** acts; anti-prompt on specific acts of violence like **murder** or **killings**]

[10] In *Enlightenment Now*, Pinker claims the greatest threat to the future of human development is either climate change or the use of these objects. Thomas Schlegel has written about the deterrence theory concerning the use of these objects.

ANSWER: **nuclear weapons** [accept **nuclear bombs**, **atomic bombs**, **hydrogen bombs** or **nukes**; prompt on **Weapons of Mass Destruction**] <Taylor/Ed. AS>

3. This philosophical idea was critiqued in letters to its originator from Elisabeth of the Palatinate. For 10 points each:

[10] Identify this position that holds that the the mind and the body are separate entities.

ANSWER: mind-body **dualism** [or Cartesian **dualism**; accept **duality** in place of dualism]

[10] Mind-body dualism was described by this thinker in *The Passions of the Soul*. This man believed that the seat of the soul was the pineal gland.

ANSWER: Rene **Descartes** [accept Renatus **Cartesius**]

[10] Descartes illustrated his position with an example involving this substance, which retains its identity even as it reshaped.

ANSWER: a ball of **wax** <Alex/Ed. AS>

4. The Famines of 1315-1317 have been argued to be caused by this event, which saw shorter growing seasons. For 10 points each:

[10] Name this period of global cooling that followed the Medieval Warming Period, leading to disastrous gale that caused the Saint Marcellus flood. This period led to extreme weather that allowed "frost fairs" to be held on the Thames River.

ANSWER: **Little Ice Age** [do not accept or prompt on "Ice Age"]

[10] Viticulture, the growing of this fruit, largely ended in Northern and Central Europe due to the Little Ice Age. This fruit was used to make a drink that monks aged in caves in France due to its use in the Catholic Mass.

ANSWER: **grapes**

[10] The Little Ice Age allowed the "March Across the Belts", where this king of Sweden and his army marched to Copenhagen across the frozen water. A king with this name and number from France had his reign toppled by the July Revolution and was succeeded by Louis Philippe, the "Citizen King."

ANSWER: King **Charles X** [prompt on "Charles"] <Peter/Ed. PT>

5. Answer some questions about symbols from the Baha'i faith. For 10 points each:

[10] A symbol often used to represent the Baha'i faith is a star with this many points. In both Baha'i and Hinduism, this single digit number is considered "complete," and in Islam this is the number of the month of Ramadan.

ANSWER: **nine**

[10] Early Baha'i calligrapher Mishkin Qalam created a Baha'i symbol out of one of these things which literally mean "O Glory of the most glorious." In Islam there are at least 99 of these things that refer to Allah.

ANSWER: **names** of god [accept Greatest **Name** Symbol]

[10] The Baha'i Ringstone Symbol features two stars, one of which represents the Bab and the other which represents this founder of Baha'i.

ANSWER: **Baha'u'llah** [accept Mirzá Husayn-'Alí **Núrí**] <Taylor/Ed. TH>

6. Name some states and cities visited by Moroccan traveler Ibn Battuta, for 10 points each:

[10] This sultanate was visited by Ibn Battuta in 1330 when he traveled to a region known as the Land of Zanj in Africa. Ibn Battuta commented positively on this African sultanate's leader Sultan al-Hasan ibn Sulaiman and it would later be displaced by a Portuguese expeditionary force led by Francisco de Almeida.

ANSWER: **Kilwa** Sultanate

[10] On his trip to China, Ibn Battuta visited Quanzhou, which was known as the city of this commodity in Arabic. Solon supposedly banned the sale of all agricultural products except this commodity's oil in Ancient Athens during the sixth century.

ANSWER: **Olive**

[10] One of his last voyages saw Ibn Battuta travel to Iberia to protect this city from Alfonso XI, king of both Castile and León. This city was ceded to the British via the Treaty of Utrecht in 1713.

ANSWER: **Gibraltar** [Accept **Medinat al-Fath**] <Peter/Ed. PT>

7. Answer some questions about some TV shows that have something in common. For 10 points each:

[10] This Netflix series is a spoof of true crime shows like *Making of a Murderer*. In it, high school sophomore Peter makes a documentary about whether or not the class clown Dylan actually spray-painted penises on 27 faculty cars.

ANSWER: ***American Vandal***

[10] This series created by Ryan Murphy features seasons called Freakshow, Coven, and Murder House. Actors like Jessica Lange and Sarah Paulson play different characters on each season of this anthology horror series.

ANSWER: ***American Horror Story***

[10] Maybe you thought the last part of the bonus would be on *The Americans*, a great show in its own right. Instead, name this man played by Cuba Gooding Jr. on the first season of *American Crime Story*. A very long 30 for 30 documentary about this former athlete and actor was subtitled *this man: Made in America*.

ANSWER: Orenthal James "OJ" **Simpson** [prompt on **OJ**; prompt on (the) **juice**] <Taylor/Ed. TH>

8. Answer some questions about water safety in honor of the still-ongoing Flint water crisis. For 10 points each:

[10] The coating inside of lead water pipes is known by this term. This layer, although made of lead oxide, actually works to prevent any lead from getting into your drinking water.

ANSWER: pipe **scale**

[10] Lead levels in water are often measured by atomic absorption spectroscopy, which relies upon this relation that states a material's transmittance equals the negative exponential of optical depth. Alternatively, this law states that absorbance is directly related to path length.

ANSWER: **Beer-Lambert** law [or **Beer's** law]

[10] Water purification systems commonly use the reverse form of this process in which pressure is applied to force water through a semipermeable membrane against a concentration gradient.

ANSWER: **osmosis** <Jonathen/Ed. JS>

9. In one essay, this writer criticized the Otto Preminger film *Carmen Jones* for featuring songs that imitate black speech styles for white audiences. For 10 points each:

[10] Name this man who criticized the presentation of the racially-fueled self-hatred of the character Bigger Thomas in his essays “Everybody’s Protest Novel” and “Many Thousands Gone” from his collection *Notes of a Native Son*.

ANSWER: James **Baldwin**

[10] Bigger Thomas appears in *Native Son*, a novel by this earlier African American novelist.

ANSWER: Richard **Wright**

[10] “Everybody’s Protest Novel” also criticizes this other writer, whose black characters are accused of being overly sentimental. One of this author’s works depicts the brutal slave owner Simon Legree.

ANSWER: Harriet Beecher **Stowe** <Taylor/Ed. AS>

10. One painting from this movement depicts the motion of a woman walking a black dog, and this movement’s manifesto recommends burning the Louvre and filling in the canals of Venice. For 10 points each:

[10] Name this artistic movement that tended to emphasize technology and bright colors. Umberto Boccioni’s sculpture *Unique Forms of Continuity in Space* was also part of this artistic movement.

ANSWER: **Futurism** [accept word forms such as **Futurist** movement]

[10] Futurism originated in this European nation in the 20th century. In addition to Giacomo Balla and Umberto Boccioni, Renaissance artists such as Michelangelo were from this country.

ANSWER: Republic of **Italy** [or Repubblica **Italiana**; or **Italian Republic**]

[10] Futurist artist Gino Severini depicted one of these things in Paris surrounded by houses in one painting. Another Severini painting depicts five identical, blue-robed WWI soldiers firing from an armored one of these things surrounded by smoke.

ANSWER: **trains** [or **locomotives**] <Chandler/Ed. TH>

11. Name some very special things in physics. For 10 points each:

[10] This physicist formulated special relativity. He also produced papers on the photoelectric effect, Brownian motion, and mass-energy equivalence during his *annus mirabilis*.

ANSWER: Albert **Einstein**

[10] Poincaré is the namesake of this kind of structure which contains isometries of the manifold from special relativity. The special linear type of these structures of degrees n contains all the n by n matrices with determinant 1.

ANSWER: **group**

[10] The special unitary group of order three describes the strong force, which is mediated by these particles. There are eight different types of these gauge bosons that hold quarks together to form hadrons.

ANSWER: **gluons** <Leo/Ed. JS>

12. In a play by this man, Helene Alving purposefully depletes her deceased husband’s wealth so her son will not inherit his money. For 10 points each:

[10] Name this playwright who wrote *Ghosts*.

ANSWER: Henrik **Ibsen**

[10] Ibsen is perhaps best known for this play where Nora shuts the door on her husband Torvald and her children at the play’s end, leaving her middle class life behind her.

ANSWER: *A **Doll’s House***

[10] In this other Ibsen play, Hjalmar states that his daughter is both “his greatest joy and greatest sorrow” due to her impending blindness. Old Ekdal entertains himself in this play by hunting with Hjalmar as a way to reconnect with his past.

ANSWER: *The **Wild Duck*** <Peter/Ed. AS>

13. Witches make appearances in classical music with startling regularity. For 10 points each:

[10] In this Frenchman's opera *Faust*, the title character and Mephistopheles find themselves surrounded by witches on Walpurgis Night. His other operatic adaptations include *Romeo et Juliette* and *Le médecin malgré lui*.

ANSWER: Charles-Francois **Gounod**

[10] In *The Noon-Witch*, a symphonic poem by this composer, the Slavic demon "Lady Middy" arrives to steal a misbehaving child; in a twist, his mother faints over him, and smothers him instead. This man is better known for writing his *Symphony No. 9 "From the New World."*

ANSWER: Antonin Leopold **Dvořák** (DUH-for-shak)

[10] This tone poem by Modest Mussorgsky famously depicts a group of witches performing a black mass, using rapid 8th note cymbal crashes to depict spells and charms. Its most famous version was arranged by Leopold Stokowski and was used in Disney's *Fantasia*.

ANSWER: ***Night on Bald Mountain*** [Accept ***Night on the Bare Mountain***; accept ***Noch' na lysoy gore***] <Tracy/Ed. TH>

14. Name some poets who have employed anapestic tetrameter, which is a meter featuring four sets of da-da-DUM rhythms per line. For 10 points each:

[10] A majority of the works by this poet are in anapestic tetrameter, including the lines: "And today the Great Yertle, that marvelous he / Is King of the Mud. That is all he can see."

ANSWER: Dr. **Seuss** [accept Theodor Seuss "Ted" **Geisel**]

[10] This man's comic poem "The Hunting of the Snark" is in anapestic tetrameter. This mathematician and children's writer also wrote the poem "The Jabberwocky."

ANSWER: Lewis **Carroll** [or Charles **Dodgson**]

[10] The poem "A Visit from St. Nicholas", more popularly known as "Twas the Night Before Christmas" uses anapestic tetrameter and was written by a poet of this surname. A completely different poet of this surname wrote "The Steeple-Jack" and "An Octopus."

ANSWER: **Moore** [accept Clement Clarke **Moore** or Marianne **Moore**] <Taylor/Ed. AS>

15. Answer some questions about some recently premiered operas, for 10 points each:

[10] Director Dmitri Tcherniakov rewrote some of the text of this Bizet opera to make it about psychotherapy for a 2017 production. This opera relates Don Jose's love for the title gypsy and contains a notable "Habanera."

ANSWER: ***Carmen***

[10] This American composer premiered his gold-mining-themed opera *Girls of the Golden West* in 2017. This minimalist is known for other operas based on American history like *Nixon in China* and *Doctor Atomic*.

ANSWER: John Coolidge **Adams**

[10] This English composer premiered his acclaimed adaptation of Luis Buñuel's *The Exterminating Angel* in 2017. He is also known for his musical depiction of fellatio in *Powder Her Face* and an operatic version of *The Tempest*.

ANSWER: Thomas **Ades** <Taylor/Ed. TH>

16. Critics speculate that this character would have attempted to assassinate the tsar in the planned sequel of the novel in which he appears, but the sequel was never written. For 10 points each:

[10] Name this youngest Karamazov brother, who is depicted as a good natured man. His strong faith in God is shaken by the Grand Inquisitor and the rotting of Zosimov's body.

ANSWER: **Alyosha** Karamazov [Or **Alexei** Fyodorovich Karamazov]

[10] Alyosha appears in *The Brothers Karamazov*, a novel by this author. This author is perhaps best known for a novel in which Raskolnikov murders a pawnbroker titled *Crime and Punishment*.

ANSWER: Fyodor **Dostoevsky**

[10] Dostoevsky also wrote this novel about the strained love triangle between Prince Myshkin, Nastasya, and Rogozhin. Myshkin is sent back to a sanatorium in Switzerland at the end of this novel.

ANSWER: *The **Idiot*** <Leo/Ed. AS>

17. The first man to successfully perform this action christened one of his newly-found locations “The Devil’s Ballroom,” due to the frighteningly hollow sound the ground made under his feet. For 10 points each:

[10] Name this action that was first accomplished with the usage of the Colin Archer-designed *Fram*, a schooner specifically built to withstand high pressures. Henry Worsley died in 2016 while attempting to become the first person to complete this action alone and unaided.

ANSWER: **Reaching** the Geographic **South Pole** [accept anything that indicates someone successfully going to the Geographic **South Pole**; do not accept anything mentioning “Magnetic South Pole”; do not accept anything mentioning “North Pole”]

[10] This explorer provided the *Fram* after his own failed 1893 expedition to reach the North Pole. He was the first man to cross the Greenland interior, and he received the 1922 Nobel Peace Prize for assisting WWI refugees.

ANSWER: Fridtjof **Nansen** (FRID-choff NAHN-sen)

[10] Both the first man to reach the geographic South Pole, Roald Amundsen, as well as Fridtjof Nansen, are from this Scandinavian country, currently ruled by Harald V.

ANSWER: Kingdom of **Norway** [accept Kongeriket **Norge**; accept **Norgga** gonagasriika] <Tracy/Ed. PT>

18. One of these beings sucked on the udder of the cow Audhumla before being killed by Odin and his brothers, who used his body to form the nine worlds. For 10 points each:

[10] Name these beings from Norse myth which included Ymir. Hrimthurs were the “frost” type of these while Eldjotnars were the “fire” type of them.

ANSWER: **giants** [or **Jotunn**]

[10] This giant, the lord of Muspelheim, wields a flaming sword and will slay Frey at Ragnarok.

ANSWER: **Surtr**

[10] The incredibly strong giantess Hyrrokkin rode a horse that could transform into this other animal. Fenrir is another of these animals in Norse myth who bit off the hand of the war god Tyr.

ANSWER: **wolf** <Taylor/Ed. TH>

19. This territory became largely self governing in 1935 with Manuel Quezon as its president. For 10 points each:

[10] Name this colony which was ceded to the United States by Spain in the 1898 Treaty of Paris. Douglas MacArthur was a military governor of this territory.

ANSWER: **Philippines**

[10] A path for independence for the Philippines over a ten year span was put into place by this US act named for a Maryland senator and an Alabama representative.

ANSWER: **Tydings-McDuffie** Act

[10] The Tydings-McDuffie Act was signed by this US president whose government saw the Japanese capture of the Philippines during World War II. His government also saw the implementation of the New Deal.

ANSWER: **Franklin Delano Roosevelt** [accept **FDR**] <Taylor/Ed. PT>

20. Inhibitors of calcineurin like cyclosporine and tacrolimus are used to prevent complications from this procedure. For 10 points each:

[10] Name this procedure whose criteria for failure were outlined by Rupert Billingham. It’s not transfusion, but plasmapheresis is used to overcome ABO incompatibility in one form of this procedure.

ANSWER: **organ transplantation** [accept any specific organ, e.g. **kidney transplantation**]

[10] The success of organ transplantation depends on matching these proteins whose type can be determined by reverse sequence-specific oligonucleotide probes and sequence based typing. The complex formed by these proteins is the human version of the MHC.

ANSWER: **HLAs** [or **human leukocyte antigens**]

[10] This organ is often transplanted in patients suffering from cirrhosis or hepatitis B. This bile-producing organ is the human body’s main detoxifier.

ANSWER: **liver** <Jonathen/Ed. JS>