

**Early Fall Tournament 2018:** I guess Brexit really does mean Brexit

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Tossups

1. **Cas Mudde argues that this ideology is supported by the re-adoption of “Tina” arguments by political leaders. Regimes that subscribe to this ideology are characterized by mass clientelism and often discriminatory legalism. A Jan-Werner Müller book titled “What Is” this ideology defines it as a rejection of pluralism. This ideology favors referendums and other examples of (\*) direct democracy.** The Latin American “pink tide” and European leaders such as Viktor Orbán are often cited as examples of this ideology’s resurgence. Politicians who subscribe to this ideology often attempt to contrast their supporters with “the elite.” For 10 points, name this political ideology that seeks to appeal to the common interest.

ANSWER: **populism** [prompt on demagoguery before “clientelism”]

<RR, Social Science - Political Science/IR>

2. **This is the most frequent real-life animal shown in Moche (“MO-chay”) depictions of a deity referred to as “the decapitator.” In a 14th-century Japanese work, a *yōkai* that took the form of a flying skull was slain by Minamoto no Yorimitsu while in the form of one of these animals. In Hopi myth, a “grandmother” that took the form of one of these animals created humanity. One of these animals attempted to hoard (\*) wisdom in a pot, but it broke during an attempt to hide it in a tall tree. A deity that took the form of one of these animals traded a python, a leopard, and a nest of hornets to Nyame in exchange for all of the world’s stories. Anansi is often depicted as, for 10 points, what eight-legged arachnid?**

ANSWER: **spiders**

<DM, Mythology>

3. **The narrator of a story by this author frequently describes “dark heads together” and worries about the “uncanny sight of a double [person] busy talking in whispers with his other self.” This author wrote a story whose title character climbs aboard a ship before revealing that he murdered a man aboard the *Sephora*. This author wrote that “All Europe contributed to the making of” a character who produced a report on the (\*) “Suppression of Savage Customs.” Leggatt is the title character of this author’s story “The Secret Sharer.” The frame story of a novel by this author takes place on the *Nellie*; in that novel, “the horror! The horror!” are the last words of Kurtz. For 10 points, name this Polish-British author of *Heart of Darkness*.**

ANSWER: Joseph **Conrad**

<JG, Long Fiction>

4. In August 2018, Church et al. demonstrated that CRISPR-Cas9-mediated genetic barcoding of this organism allowed for whole genome lineage tracing of it. Commonly used inbred strains of this organism include C57BL/6 and BALB/c. The Cre/Lox system was developed to generate tissue-specific, inducible gene edits in this organism. The 2007 Nobel Prize in Medicine was awarded for showing that (\*) embryonic stem cells from this organism can be used for genetic targeting via homologous recombination, producing their “knockout” variants. *Mus musculus* is the scientific name of this most common organism used in preclinical *in vivo* testing of pharmaceuticals. For 10 points, name this common laboratory rodent.

ANSWER: laboratory mouse [or mice; accept *Mus musculus* before mention; do not accept or prompt on “rat”]  
<RH, Biology>

5. During the Day of Daggers, this person led the National Guard in preventing a group of nobles from breaking into the King’s palace to defend him. During the July Revolution, this man went to Paris’s Hôtel de Ville and publicly embraced Louis-Philippe, signaling his approval of the monarchy. Alexander Hamilton’s sister-in-law Angelica Schuyler (“skylar”) Church asked (\*) Thomas Jefferson to aid this man while he was imprisoned in Prussia after a warrant for his arrest was issued by Georges Danton (“dahn-TAWN”). Shortly before the 50th anniversary of American independence, this man went on a long tour of the US as one of the last living officers of the Continental Army. This Frenchman was wounded at the Battle of Brandywine and helped pin down Cornwallis before the Siege of Yorktown. For 10 points, name this “Hero of Two Worlds,” a Frenchman who fought in the American Revolution.

ANSWER: Marquis de Lafayette [or Gilbert du Motier]  
<TR, European History>

6. In one of these works, the author contrasts “natural” and “febrific” types of motion, and he perceives the movements of the Dordogne (“dor-DOHN” or “dor-DOYN”) River to be “extraordinary agitations.” These works, which were published in three books, include a work which asserts “that to study philosophy is to learn to die.” The longest of these works contains their author’s motto of “What do I Know,” is largely a defense of (\*) skepticism, and is titled “An Apology for Raymond Sebond.” “Of Cannibals” is one of these texts, which were written by a 16th-century mayor of Bordeaux. Their name comes from the French word for “attempt.” For 10 points, name these explanatory prose works by Michel de Montaigne, which give their name to a genre of nonfiction writing.

ANSWER: Essays [or Essais]  
<IJ, Philosophy>

7. This composer was commissioned to write an E-major *Festival Te Deum* a year after he wrote a cantata based on Christopher Smart’s *Jubilate Agno*. This composer included a French horn part in “Still Falls the Rain,” the third of his five *Canticles*. In a piece by this composer, the chorus first comes in on F-sharp, then C; that tritone is then thematized throughout the piece. A set of variations by this composer ends with a fugue in which the (\*) piccolo enters first, then the flute, and so forth down the orchestra. This composer wrote a *Serenade for Tenor, Horn, and Strings* for his partner Peter Pears. This composer commemorated the bombing of Coventry Cathedral by including poems by Wilfred Owen in his *War Requiem*. For 10 points, name this English composer of *The Young Person’s Guide to the Orchestra*.

ANSWER: (Edward) Benjamin Britten  
<JR, Music>

8. This leader was forced to resign from one post after his wife forgot to close a bank account that she had opened while this man served as his country's ambassador to the US. This leader used the "Iron Fist" policy for dealing with protestors while serving as Minister of Defense during the First Intifada. Dan Ephron's book *Killing a King* details this leader's (\*) assassination by a religious extremist. During a protest by the extremist party Kahane Chai ("kah-HAH-neh KHY"), Benjamin Netanyahu was photographed in front of a coffin whose inscription claimed that this man "is causing the death of Zionism." Along with his longtime rival Shimon Peres and Yasser Arafat, this man won the Nobel Peace Prize in 1994 for negotiating the Oslo Accords. For 10 points, name this Israeli prime minister who was assassinated in 1995.

ANSWER: Yitzhak Rabin ("yeets-HOCK rah-BEEN")

<TR, World History>

9. Twelve of the sixteen components of a 4-by-4 coefficient matrix that describes these phenomena can be set to zero by taking the transverse traceless gauge ("gayj"). Spherically symmetric sources cannot produce these phenomena because their strength is proportional to the second time derivative of the quadrupole moment of a given mass distribution. The emission of these phenomena causes the orbital decay exhibited by the (\*) Hulse-Taylor binary pulsar. Neutron star mergers and black hole mergers have produced examples of these phenomena detected by two laser interferometers in the LIGO experiment. For 10 points, name these propagating ripples in the fabric of spacetime predicted by general relativity.

ANSWER: gravitational waves [or gravitational radiation; prompt on GW; do not accept "gravity waves"]

<BB, Physics>

10. A work about this *Lyric Poet in the Era of High Capitalism* analyses this poet's contrast between "dupes" and those with "knowledge of human nature." A poem that argues that both "the sun, our nourishing father" and "the poet" use their light to ennoble and give "purpose to the least thing in sight" opens a 24-hour cycle about a specific city by this poet. Walter Benjamin ("VALL-tuh BEN-yah-meen") made use of this poet's notion of the (\*) *flâneur*. This poet asserted that in our "menagerie of vices" there is "one uglier and wickeder," "Ennuï" ("on-WEE"). This poet said that "my likeness, my brother" is the "hypocrite reader." A set of "Parisian Scenes" follow a section titled "Spleen and Ideal" in a collection by this poet. For 10 points, name this author of *Les Fleurs du Mal*.

ANSWER: Charles Baudelaire

<JG, Poetry>

11. Political scientist Graham Allison has written a book on this historian's "Trap," envisioning conflict between a rising power and a declining power. This historian relates a speech in which one leader states that his people are "lovers of beauty without extravagance." Yale historian Donald Kagan is best known for his study of this historian. A continuation to this historian's most famous work was Xenophon's *Hellenica*. In one passage, this historian relates the argument that (\*) "the strong do what they can, and the weak suffer what they must." This historian included the Melian Dialogue in a work also featuring the Funeral Oration of Pericles. For 10 points, name this historian who recounted the war between Athens and Sparta in his *History of the Peloponnesian War*.

ANSWER: Thucydides

<JZ, Other History>

12. Chess grandmaster Emanuel Lasker studied examples of these mathematical objects that obey the primary decomposition property. Objects of this type that have a negative Krull dimension are named for Emil Artin (“AY-meel AR-teen”). The Hilbert basis theorem covers examples of these objects consisting of polynomials, and one of these objects with no divisors of zero is an (\*) integral domain. Objects of this type that satisfy the ascending chain conditions on their ideals are named after Emmy Noether, who pioneered the theory of these objects. A field consists of one of these structures for which every nonzero element is invertible. For 10 points, name these algebraic structures that, unlike groups, consist of a set and two binary operations.

ANSWER: rings

<DM, Other Science - Mathematics>

13. It doesn’t involve books, but during the 1980s, many products of this industry were described by the word “scar.” The Wanda Group funded a sprawling facility for this industry that was completed in 2018 and lies off the coast of Qingdao (“ching-dow”). In the wake of the Japanese invasion of Manchuria, this industry popularized the “March of the Volunteers.” A replica of the now-destroyed Old Summer Palace was constructed at Hengdian (“hung-d’YEN”) for use in this industry, whose highest accolades are named (\*) “Hundred Flowers” and “Golden Rooster.” The story of a soldier serving in Africa named Leng Feng (“lung fung”) is part of this industry’s biggest success to date, *Wolf Warrior 2*. For 10 points, identify this industry whose other successes include *Crouching Tiger, Hidden Dragon*.

ANSWER: Chinese film industry [or Chinese movie industry]

<KS, Other>

14. This is the first noun in the title of a story whose narrator claims that “In our family, there was no clear line between religion” and an activity centered on these things. In addition to that story by Norman MacLean, one of these things titles a story in which the central character only speaks three times, once to utter “Geezus Chrise” after burning his tongue on hot beans and spaghetti. That almost dialogue-free two-part story titled for one of these thing ends with Nick (\*) Adams washing a trout. That story by Ernest Hemingway is titled for a “Big Two Hearted” one of these features. Salim makes his way in a country led by “the Big Man” in a novel titled for one of these geographic features. For 10 points, V. S. Naipaul wrote a novel titled for *A Bend in* what sort of geographic feature?

ANSWER: river [accept *A River Runs Through It*, “Big Two Hearted River” or *A Bend in the River*]

<JG, Misc Literature>

15. During sermons, an evangelist active in this state dressed as a police officer, rode a motorcycle across the stage, and warned the audience about “speeding to hell.” A movement in this state was covered by the newspaper *Apostolic Faith* and declined after that newspaper’s mailing list was stolen from the movement’s founder, William Seymour. Robert (\*) Schuller originally broadcasted the program *Hour of Power* from a church in this state home to the gigantic Hazel Wright Organ. A church headquartered in this state was founded by Aimee Semple McPherson, an evangelist who caused a media sensation after allegedly faking her own kidnapping from Venice Beach. For 10 points, name this US state where the Azusa Street Revival occurred in Los Angeles.

ANSWER: California

<DM, Religion>

16. In 1982, the discovery of a gravestone at a burial site for some of these people inspired *Washington Post* writer Dorothy Gilliam to call for a monument to these people. An 1851 painting by Junius Brutus Stearns depicts a group of these specific people working. One of these people, a cook named Hercules who dressed flamboyantly, may have become America's first celebrity chef. Due to the Gradual Abolition Act of 1780, these people had to be sent away from Philadelphia for a short time every six months. According to one document, the last (\*) 123 of these people were to be manumitted upon the death of their master's widow, although she instead freed them on January 1, 1801. For 10 points, describe this group of people who provided forced labor at Mount Vernon.

ANSWER: slaves of George Washington [accept slaves at Mount Vernon before mention; prompt on slaves by asking "belonging to which person?"; do not accept or prompt on "servants" or "indentured servants"]  
<TR, American History>

17. An extremely substituted bond of this type is formed via tertiary amine or phosphine catalysis in the Baylis–Hillman reaction. Some schemes for forming these bonds use catalytic cycles consisting of oxidative addition, transmetalation, and reductive elimination. One of these bonds forms in the first step of a reaction that has a four-membered oxaphosphetane ring intermediate after the nucleophilic attack of a (\*) carbanion ("car-BAN-eye-on"). The formation of these bonds is the goal of palladium-catalyzed coupling reactions. Organometallic reagents are often used to produce these bonds by giving one of their constituent elements an atypical nucleophilic character. These bonds are simply drawn as lines with no labels in skeletal structures of molecules. For 10 points, the backbone of organic chemistry consists of C–H bonds and what other bonds, formed between two atoms of the element with atomic number 6?

ANSWER: carbon–carbon bonds [or C–C bonds; prompt on sigma bonds; prompt on single bonds]  
<Wang, Chemistry>

18. Suzanne's father, played by the director himself, excoriates various people during one of these events in an infamous improvised scene from Maurice Pialat's film *A Nos Amours* ("ah nose ah-MOOR"). After a curtain rises and the participants in one of these events realize that they're actually on stage in front of an audience, a character protests "I don't know my lines." In a film by Gabriel Axel, a French refugee in (\*) Denmark uses her lottery winnings to organize one of these events. The main characters of *The Discreet Charm of the Bourgeoisie* are constantly thwarted in their attempts to hold one of these events. In a scene from *Beetlejuice*, the participants in one of these events become possessed and start singing "Day-O." For 10 points, identify this type of event which titles a 1981 film in which Wallace Shawn has a philosophical conversation with the title character, Andre.

ANSWER: dinners [or feasts or banquets; prompt on meals]  
<WN, Other Arts - Film>

19. Two characters in this play simultaneously hallucinate that the figures in an interactive diorama are actually their estranged lovers. Another character in this play refers to herself as "I-I-I-I," referencing her four emanations of Fluor, Phosphor, Lumen, and Candle. The drag queen Belize attends to two hospitalized characters in this work, one of whom pretends he has liver cancer and is haunted by the ghost of (\*) Ethel Rosenberg. That character offers a post in the Justice Department to the Mormon lawyer Joe Pitt, and is a thinly fictionalized version of Roy Cohn. In this play, Louis Ironson abandons his sick boyfriend Prior Walter while Prior is suffering from AIDS. For 10 points, name this play, subtitled "a gay fantasia on national themes," written by Tony Kushner.

ANSWER: Angels in America: A Gay Fantasia on National Themes [accept *Angels in America: Perestroika* before "Justice Department"]  
<RR, Drama>



20. A precursor of this movement who taught many of its artists created the “push and pull” theory and works such as *Pompeii* and *The Golden Wall*. An artist from this movement is known for a formal feature called the “zip.” Artists from this movement who protested the exhibit “American Painting Today” were dubbed “The Irascibles.” Hans Hofmann and (\*) Franz Kline were members of this art movement alongside an artist who painted a four-canvas series titled after the three colors it repeatedly uses, *Who’s Afraid of Red, Yellow, and Blue*. Another artist from this movement is best known for his *Woman* series. Lee Krasner belonged to this movement, as did her husband, who painted *Number 5, 1948* and was known as “the Dripper.” For 10 points, what art movement did Barnett Newman, Willem de Kooning, and Jackson Pollock belong to?

ANSWER: **abstract expressionism** [prompt on “action painting” or “color field” by asking, “what larger movement was that a part of?”]

<YFL, Painting>

## Bonuses

1. The ring form of glucose structurally resembles this compound. For 10 points each:

[10] Name this cyclic hydrocarbon that has stable “chair” and unstable “boat” conformations.

ANSWER: **cyclohexane** [or **C6H12**]

[10] Cyclohexane can be produced by hydrogenating this simplest aromatic compound whose formula is C6H6.

ANSWER: **benzene**

[10] The boat conformation of cyclohexane is unstable because of the steric strain caused by the proximity of these hydrogens, which both lie in the space above and in the middle of the boat.

ANSWER: **flagpole** hydrogens [accept “**axial 1 and axial 4** hydrogens”]; do not accept or prompt on partial answers]

<BB, Chemistry>

2. This woman was originally an ally of Cardinal Granvelle, who was later recalled from his post due to his extreme unpopularity among Protestants. For 10 points each:

[10] Name this Governor of the Netherlands, an illegitimate daughter of Charles V.

ANSWER: **Margaret** of Parma

[10] Margaret was the half-sister of Philip II, the king of this country that sent a namesake Armada in a failed attempt to conquer England.

ANSWER: **Spain**

[10] Granvelle became unpopular due to his support of this institution that sought to enforce religious orthodoxy in the Netherlands.

ANSWER: **inquisition** [or Spanish **Inquisition**]

<TR, European History>

3. One of these deities died while giving birth to a flaming god, after which the other one travelled to *yomi* in a failed attempt to bring her back to life. For 10 points each:

[10] Name either of this pair of deities. The male member of this pair gave birth to Amaterasu from one of his eyes and Susano'o out of his nose.

ANSWER: **Izanagi** OR **Izanami** [accept either]

[10] Before Izanagi's death, she joined her husband in this action, which was performed by encircling a celestial pillar.

ANSWER: **creating** the islands of **Japan** [accept the *kuniumi*; accept **creating Oyashima**; prompt on **creating islands**]

[10] Izanagi and Izanami were the members of the last divine generation. This is the total number of divine generations of the Japanese Age of the Gods.

ANSWER: **seven**

<DM, Mythology>



4. Early in her career, this performer adapted the nursery rhyme “A-Tisket, A-Tasket” into a popular jazz standard. For 10 points each:

[10] Name this performer who was dubbed the “First Lady of Song” and who sang classics like “How High the Moon” using her signature scat singing style.

ANSWER: Ella **Fitzgerald**

[10] Fitzgerald released a series of eight albums covering songs from the Great American Songbook that started with an album covering this songwriter’s tunes, including “Begin the Beguine (“beg-EEN”)” and “Anything Goes.”

ANSWER: Cole **Porter**

[10] Fitzgerald first rose to fame with the Chick Webb Orchestra, which was based at this Harlem venue and covered a song titled for “Stompin’ at” this venue. Norma Miller was among a group of Lindy Hoppers who helped popularize the dance style at this venue.

ANSWER: **Savoy** Ballroom

<BN, Other Arts - Jazz>

5. In Act III, this character tells her husband, “You have merely found it pleasant to be in love with me.” For 10 points each:

[10] Name this character who affirms that she has a duty to herself above her husband and children before leaving Torvald.

ANSWER: **Nora** Helmer

[10] Stella Adler cited Nora as an example of the independent woman in the plays of this author. In addition to Nora in *A Doll’s House*, he created Hedda Gabler.

ANSWER: Henrik **Ibsen**

[10] This other Ibsen character is a governess at the title estate who attempts to win Jacob Rosmer, driving his wife Beata to suicide. The author of *Black Lamb and Gray Falcon* took her pen name from this character.

ANSWER: Rebecca **West**

<RR, Drama>

6. This organization was founded at the Bretton Woods conference to ease payment difficulties among nations. For 10 points each:

[10] Name this international organization. Along with the World Bank, it has been criticized for attaching conditions to its loans which infringe national sovereignty.

ANSWER: **IMF** [or **International Monetary Fund**]

[10] The IMF might offer a loan when a country has a high amount of this quantity, which equals a country’s payments minus its revenue. Latin America experienced a crisis of this quantity in the 1980s.

ANSWER: **debt** [prompt on **deficit**]

[10] The IMF plays this role in the global financial system, as it is willing to lend to countries that cannot borrow through other credit arrangements.

ANSWER: **lender of last resort**

<RR, Social Science - Political Science/IR>

7. A short story in second person by this author is divided into sections denoting years after the addressee was caught messaging 50 different girls by his fiancée. For 10 points each:

[10] Name this author of “The Cheater’s Guide to Love,” the last story in his collection *This Is How You Lose Her*. In 2018, Zinzi Clemmons accused this MIT professor of sexual harassment.

ANSWER: Junot **Díaz**

[10] Like Díaz, this long-time Nobel Prize aspirant who passed away in 2018 set many of his novels in New Jersey, including *American Pastoral* and *Portnoy’s Complaint*.

ANSWER: Philip **Roth**

[10] The publication of this collection spurred accusations of Roth being a self-hating Jew due to its story “Defender of the Faith,” in which Grossbart attempts to elicit favors from Sergeant Marx because they are both Jewish.

ANSWER: ***Goodbye, Columbus***

<RR, Short Fiction>

8. While conquering the powerful kingdom of Shewa, this ruler imprisoned the future emperor Menelik II. For 10 points each:

[10] Name this Emperor of Ethiopia who ended the Era of the Princes and later committed suicide after being defeated by an Anglo-Indian expedition led by Robert Napier.

ANSWER: **Tewodros II** [or **Kassa** Hailegiorgis; accept **Theodore II**; prompt on Tewodros or Theodore]

[10] Yohannes IV, the successor of Tewodros, lost a war to this nearby power, which was then ruled by the reformist Khedive (“keh-DEEV”) Ismail Pasha.

ANSWER: **Egypt**

[10] The British ambassador to Tewodros was Hormuzd Rassam, an Assyrian archaeologist who discovered the clay tablets containing this work about a king of Uruk, the oldest known piece of literature.

ANSWER: The Epic of **Gilgamesh**

<TR, World History>

9. On this holiday, some congregations will read the Martyrology, a description of how 10 great rabbis were tortured and killed by the Roman Empire. For 10 points each:

[10] Name this Jewish “Day of Atonement” that takes place 10 days after Rosh Hashanah.

ANSWER: **Yom Kippur**

[10] This Aramaic chant whose name means “All Vows” is sung on the night that begins Yom Kippur.

ANSWER: **Kol Nidrei**

[10] This poem is sung on both Rosh Hashanah and Yom Kippur while the Ark of the Torah is open. This poem’s second paragraph states “on Rosh Hashanah it is written, on Yom Kippur it is sealed,” and poses questions about who will live or die in the coming year.

ANSWER: **Unetaneh Tokef** (“oon-tah-NEH TOH-keff”)

<RR, Beliefs - Religion>

10. These drugs can paradoxically cause an increase in white blood cell count due to demargination. For 10 points each:

[10] Name these immunosuppressive drugs like methylprednisolone, prednisone, and dexamethasone. These drugs are generally tapered off slowly to avoid inducing an Addisonian crisis.

ANSWER: **steroids** [or **corticosteroids** or **glucocorticoids**]

[10] Pulse-dose steroids are a mainstay for treating rejection after this procedure. The donor and host are usually HLA-matched before this procedure, except in the case of hearts, which only require ABO matching.

ANSWER: organ **transplant**

[10] A group of immunosuppressive drugs including tacrolimus and cyclosporine inhibit this protein. This protein is a calmodulin-dependent phosphatase that activates the transcription factor NFAT.

ANSWER: **calcineurin**

<Eric M, Biology>

11. So-called “worm” theories treat an object’s identity as being comprised of parts that incorporate this concept. For 10 points each:

[10] Name this concept. In perdurantist (“per-DUR-un-tist”) theories of it, an individual’s identity is comprised of parts that are defined with respect to this concept.

ANSWER: **time**

[10] In worm theories, an object is defined by the way it spans both time and this other concept, which occupies three dimensions. In relativistic physics, it is unified with time in a four-vector field.

ANSWER: **space**

[10] In an argument with Karl Popper, this philosopher and scientist maintained that the universe is eternalistic. He once wrote that “God does not play dice” in discussing quantum mechanics.

ANSWER: Albert **Einstein**

<IJ, Philosophy>

12. In its first appearance, this phrase is preceded by the sentences “You swallowed everything, like distance. Like the sea, like time.” For 10 points each:

[10] Give this declarative phrase that is repeated six times in a poem that begins “The memory of you emerges from the night around me.”

ANSWER: “**in you everything sank!**” [or “*todo en ti fue naufragio!*”; accept equivalent translations]

[10] “In you everything sank!” is repeated in this poem, the last of a collection that also includes “Tonight I Can Write The Saddest Lines.”

ANSWER: “**Song of Despair**” [or **Canción desesperada**]

[10] “Song of Despair” is by this Chilean poet.

ANSWER: Pablo **Neruda**

<RR, Poetry>

13. This was the only woman who was not part of a Presidential family to appear on a First Spouse gold coin. For 10 points each:

[10] Name this founder of the National Women's Party who organized the Silent Sentinels to picket the White House for more than two years.

ANSWER: Alice **Paul**

[10] With Crystal Eastman, Paul wrote the first version of this document, which has been ratified by 37 states as of March 2018. Phyllis Schlafly gained prominence for her campaign criticizing this proposed amendment.

ANSWER: **Equal Rights Amendment** [or **ERA**]

[10] In solidarity with prisoners at the Occoquan Workhouse, Paul performed one of these actions while imprisoned in DC. Across the pond, women conducting this action were subject to the Cat and Mouse Act.

ANSWER: **hunger strike** [accept equivalents that indicate **not eating** as a form of protest]

<DM, American History>

14. Answer the following about divergences of vector fields in electrodynamics, for 10 points each.

[10] The differential form of this law states that the divergence of the electric field is proportional to the charge density.

ANSWER: **Gauss's** law of electricity

[10] Correspondingly, Gauss's law of magnetism states that the divergence of the magnetic field is zero, implying that these particles do not exist. These hypothetical particles consist of an isolated magnetic north or magnetic south.

ANSWER: magnetic **monopoles**

[10] Negative the divergence of the polarization density equals the density of this type of charge, which is unable to move large distances within a material.

ANSWER: **bound** charge

<BB, Physics>

15. This artist's paintings *Leda and the Swan* and *The Battle of Cascina* ("KAH-shee-nah") are both lost. For 10 points each:

[10] Name this artist who painted the ceiling of the Sistine Chapel.

ANSWER: **Michelangelo** (di Lodovico) **Buonarroti** (Simoni) [accept either underlined portion]

[10] This artist supposedly placed the inscription "Michelangelo's design and Titian's color" in his studio.

Michelangelo's influence can be seen in a painting by this artist in which a nude man lies on the ground amidst shattered instruments of torture.

ANSWER: **Tintoretto** [or Jacopo **Comin** or Jacopo **Robusti**] (The painting is *The Miracle of the Slave*.)

[10] Biagio da Cesena ("BYAH-jo dah chay-ZEN-ah") criticized the nude figures in this Michelangelo painting.

This painting and Titian's version of the same scene both influenced Tintoretto's version in the Madonna dell'Orto church.

ANSWER: *The* **Last Judgment** [or *Il* **Giudizio Universale**]

<WN, Painting>

16. Theories of this process have changed in part due to discoveries on Cedros Island in Mexico that support the idea that this process occurred by boat rather than on foot. For 10 points each:

[10] Describe this process that may have occurred in multiple waves. Its timeline has been challenged by discoveries of sites predating the Clovis culture.

ANSWER: human **settlement** of the **Americas** [accept descriptive answers, such as **migration** to the **Americas** or **population** of the **Americas**; accept **New World** in place of “Americas”; do not accept answers involving “Europe” or “Europeans”; do not accept answers involving “walking across a land bridge” or similar]

[10] The traditional theory of migration to the Americas involves early humans walking across a land bridge from Siberia to this modern US state.

ANSWER: **Alaska**

[10] Currently, the oldest known archaeological site in the Americas is this one in southern Chile. It may predate Clovis by millennia and serve as evidence for the coastal migration model.

ANSWER: **Monte Verde**

<TR, Other History>

17. This composer incorporated Orthodox chant into a Bach-style framework for her 2000 *St. John Passion*. For 10 points each:

[10] Name this contemporary Russian composer of *Canticle of the Sun* and the hybrid violin concerto *Offertorium*.

ANSWER: Sofia **Gubaidulina** (“suh-FEE-yuh goo-bye-DOO-lin-uh”)

[10] Gubaidulina’s *Canticle of the Sun* was written for Mstislav Rostropovich, a player of this low string instrument. Gubaidulina’s *Rejoice*, a sonata for this instrument and violin, has been recorded by Yo-Yo Ma.

ANSWER: violon**cellos**

[10] Gubaidulina’s *Offertorium* draws on an orchestration from Bach’s *Musical Offering* by this composer who, like, Alban Berg (“ALL-bahn BAIRG”), studied under Arnold Schoenberg. His very short, sparse pieces include his *Bagatelles* for string quartet.

ANSWER: Anton (Friedrich Wilhelm von) **Webern**

<JR, Music>

18. Answer some questions about recent news regarding airlines and international relations, for 10 points each.

[10] China recently demanded that over 40 international airlines, including United and Delta, change their websites to reflect that this island is part of China.

ANSWER: **Taiwan** [accept **Republic of China**]

[10] Violent protests over fuel prices in July 2018 resulted in several US airlines cancelling their flights to this country and convinced Prime Minister Jack Guy Lafontant to resign.

ANSWER: **Haiti**

[10] This country’s refusal to convert billions of dollars’ worth of its national currency to foreign currency led the IATA to withdraw from it in January 2018. Many US airlines have stopped serving this country’s Maiquetía International Airport due to safety concerns.

ANSWER: **Venezuela**

<KH, Current Events>

19. The organization FIRST runs high school competitions involving these machines. For 10 points each:  
[10] Name these machines that can carry out complex tasks. Motion planning is a key field in their programming. Their name comes from a Karel Čapek play.

ANSWER: **robots**

[10] Hans Moravec discussed robotics and this other philosophical movement in his book *Robot*. Raymond Kurzweil is an advocate of this movement, which Francis Fukuyama labelled the world's most dangerous idea.

ANSWER: **transhumanism**

[10] A key problem in robotics is how to process data from these objects that detect changes in an environment. Robotics is concerned with processing and creating "feedback" obtained from these systems, which are often classified as "tactile" or "positional" depending on the information they obtain.

ANSWER: **sensors**

<DM, Other Science - Computer Science>

20. The protagonist smokes a joint while at the Supreme Court in the prologue to this novel. For 10 points each:

[10] Name this novel by Paul Beatty in which the protagonist goes on trial for involuntarily enslaving Hominy Jenkins, an ex-star on *Little Rascals*. The protagonist of this novel attempts to resurrect his home neighborhood, the "agrarian ghetto" of Dickens.

ANSWER: *The **Sellout***

[10] Dickens is based off of the real-life Richland Farms, a neighborhood in Compton, a suburb of this California city. Nathanael West's *The Day of the Locust* is set in this city.

ANSWER: **Los Angeles** [or **LA**]

[10] *The Sellout* was the first American book to win this prize. George Saunders's novel *Lincoln in the Bardo* was the 2017 winner of this literary prize.

ANSWER: Man **Booker** Prize

<RR, Long Fiction>