

Stevenson Memorial Tournament 2018

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Packet 4

Tossups:

1. **Description acceptable.** An article exposing this event was denounced as a “scare story” by *New York Times* reporter Walter Duranty. Malcolm Muggeridge smuggled articles about this event in a diplomatic bag after his rival Gareth Jones walked through the countryside to write the first story on it. Foreign observers like Sidney and Beatrice Webb were given staged tours to dispel reports of this event. It is the subject of Robert Conquest’s *Harvest of Sorrow*. Arthur (*) Koestler [“KESS-ler”] recalls accepting the official explanations for the “drumstick limbs... and puffed bellies” that he saw during this event in his essay for *The God That Failed*. The criminalization of gleaning and high grain quotas contributed to this event, which is often held to have been a deliberate part of “dekulakization.” For 10 points, identify this 1932 to 1933 food shortage that occurred in a Soviet Union country.

ANSWER: **Holodomor** [or the **Ukrainian famine** of 1932–33; accept **genocide**, **Terror-Famine**, or **Famine-Genocide** in place of “famine”; prompt on Soviet **famine**, and answers such as **collectivization** of the USSR, liquidation of the **kulaks**, etc.]

<JB European History>

2. **Annette Weiner built on her dissertation on this people in a book that introduced her concept of “inalienable possessions.” A 1975 Jerry Leach documentary treats this people’s version of cricket as an “ingenious response to colonialism.” Edmund Leach’s lecture “Virgin Birth” set off a debate on the concept of “ignorance of paternity,” which was drawn from this people’s belief that a child’s spirit enters the mother through her head. A thinker whose (*) racism towards these people was revealed with the publication of his *A Diary in the Strict Sense of the Term* documented their use of yam storehouses in a book that focuses on their use of shell armbands and disc necklaces in an ocean-spanning exchange ritual.** For 10 points, Bronislaw Malinowski wrote about the kula ring practice of what Western Pacific island culture?

ANSWER: **Trobriand** Islanders

<JB Social Science>

3. **They’re not related to the liver, but hepatization during a lobar infection can lead to the consolidation of the material in these structures. While Pores of Kohn function to connect these structures to each other, the Canals of Lambert connect the terminal varieties of these structures to nearby passageways.** (*) DPPC is a major component of a compound secreted by their type II cells through exocytosis to reduce the surface tension of surrounding membrane. As a result of collapsed bronchioles, these structures are overinflated in emphysema, causing shortness of breath and destroyed pulmonary tissue. For 10 points, name these small air sacs that facilitate gas exchange found in mammalian lungs.

ANSWER: **alveoli** [prompt on **lungs** until read]

<DM Biology>

4. In one of this author's plays, a character scratches his head "like Stan Laurel" when asked to "imitate the month of February" by a woman he calls Semiramis. At the end of one of this author's plays, the line "it's not that way, it's over here!" is repeated by the cast at increasing speeds after the stage goes dark. In that play, a character concludes that when the doorbell rings, "sometimes there is someone, other times there is no one." That play by this author features a maid who decides she is (*) Sherlock Holmes and many discussions of "Bobby Watson." This author of a play about the Smiths and the Martins wrote about Berenger's unwillingness to "capitulate" and transform into a horned creature. For 10 points, name this Romanian absurdist playwright of *The Chairs*, *The Bald Soprano*, and *Rhinoceros*.

ANSWER: Eugene Ionesco

<OL European Literature>

5. *Description acceptable.* After the success of this cause, the practice of holding lessons in ditches as part of illegal "hedge schools" was rendered obsolete. This cause prompted a duel in which one of its supporters and his challenger, the Earl of Winchelsea, both fired into the air. This cause was funded by a penny-per-month "rent" collected by a man whose illegal election to Parliament ensured its success; that man was (*) Daniel O'Connell. The success of this cause came via a Duke of Wellington-supported Relief Act in 1829. Participants in the Gordon Riots opposed this cause, which sought to overturn the disabilities placed on a certain group by the Act of Uniformity and the Test Acts. For 10 points, name or describe this cause that sought to reduce the restrictions placed on a "papist" religion in the United Kingdom.

ANSWER: Catholic Emancipation [or Catholic Relief; accept any answers involving rights for Roman Catholics in the United Kingdom]

<JB British History>

6. A god of this domain may have also been an aspect of Xolotl associated with syphilis due to his pustule-covered skin. Another god of this domain was celebrated during a nine-day festival called his "Raymi," and his cult was strengthened by Pachacuti. A god of this domain instructed his son to build a city where his (*) staff sank into the Earth. The Aztecs believed that Black Tezcatlipoca and his usurper, Quetzalcoatl, were the first two of five gods of this domain. The Inca emperors were associated with and supposedly descended from a god of this domain who was the son of Viracocha and father of Manco Capac. For 10 points, name this domain of Inti, whose sister-wife Mama Killa was the goddess of the moon.

ANSWER: the Sun

<JK Mythology>

7. In a ballet by this composer, Furbo ["**FOUR-bow**"] disguises himself as a magician and performs a fake resurrection of the title character. That ballet by this composer was named after a character common to commedia dell'arte and Neapolitan puppetry who usually wears a mask with a beaklike nose. In another ballet by this composer, the title character is in love with a Ballerina who is instead attracted to a Moor. That ballet by this composer was choreographed by Michel Fokine with set designs by Alexandre Benois and utilizes a chord consisting of (*) superimposed C major and F-sharp major triads. This composer of a ballet that takes place at the Shrovetide Fair also wrote a ballet that was choreographed by Vaslav Nijinsky and ends with an adolescent girl's "Sacrificial Dance." For 10 points, name this composer of the ballets *Pulcinella*, *Petruschka*, and *The Rite of Spring*.

ANSWER: Igor Stravinsky

<YFL Other Arts (Ballet)>

8. Lewy's example is an equation involving this mathematical operation that has no solution. A chain rule sometimes named for Euler, also known as the triple product rule, multiplies three applications of this operation to get negative one. The commutativity of applying this operation twice is stated by Clairaut's ["clair-OH's"] theorem. In Cartesian coordinates, the Laplacian of a function can be written as a (*) sum of terms consisting of this operation performed twice. The Jacobian matrix consists of all ways of performing this operation on a vector-valued function. The heat equation and the wave equation are examples of equations named for this operation, which generalize ordinary differential equations. For 10 points, name this operation that finds the rate of change of a multivariable function with respect to one of its variables.

ANSWER: **partial** derivative [or **partial** differentiation; prompt on derivative or differentiation; accept **partial** differential equations or **PDE**]

<DM Math>

9. This poet is called a "sweet, dead Silencer" who "desired so much – in vain to ask" in a poem by Hart Crane. In one poem, this writer described Susan Gilbert's heart as "fit for home" and breast as "fit for pearls." A poem originally titled "In the Garden" by this writer was edited by Thomas Wentworth Higginson into "A bird came down the walk." This writer recalls hearing a creature in "the chilliest land" that (*) "sings the tune without the words." Besides calling Hope a "thing with feathers," this poet also described observing an "uncertain, stumbling buzz" before her death, an event marked in another poem by "horses' heads... towards eternity" and a carriage holding immortality. For 10 points, name this poet of "Because I could not stop for Death," the so-called Belle of Amherst.

ANSWER: Emily **Dickinson**

<OL American Literature>

10. An intellectualist position on the capacities of this entity was opposed by Samuel Clarke's voluntarism in letters passed through Caroline of Anspach. The claim that "we see all things in" this entity appears in *The Search After Truth*. Antoine Arnauld pointed out the circularity of an argument that claims this entity to be the source of clear and distinct ideas, the reliability of which are then used to establish knowledge of this entity. This entity is held to be the direct (*) cause of everything in Nicolas Malebranche's occasionalism. This entity is identical with nature in Spinoza's philosophy, and Gottfried Leibniz's *Theodicy* introduced the term for arguments that seek to reconcile this entity with the existence of evil. For 10 points, Descartes's *Meditations* uses a modified ontological argument to prove the existence of what figure?

ANSWER: **God** [prompt on answers like divinity, the deity, or divine will]

<JB Philosophy>

11. *Description acceptable.* In one account, this custom originated from an incident in which an Ansari man hurled a lamb bone at Saad Ibn Abi Waqqas. This doctrine is not observed in the *cem* ["jem"] and other Alevi ceremonies in a country where regulations inspired by it aim at replacing *raki* with *ayran*. The complete version of this doctrine was revealed in a verse that places its subject among "abominations of Satan's handiwork," along with divining arrows, stone altars, and (*) gambling. Learning of this doctrine supposedly led Vladimir I to convert his domain to Christianity. This restriction targets *khamr* and was openly flouted in the work of poets like Abu Nuwas and Hafez. Abu Hanifa held that the action targeted by this doctrine was fine in moderation. For 10 points, identify this restriction against intoxicants found in the Qur'an.

ANSWER: Muslim **ban** on **alcohol** [or equivalents; accept **wine**, **intoxicants**, or **khamr** (until read) in place of "alcohol"; prompt on answers mentioning haram or Islamic dietary laws]

<JB Religion>

12. During this country's war for independence, one side perpetrated the Wiriyamu Massacre and sealed off border routes used by insurgents in Operation Gordian Knot. The colonial power that ruled this country added the Kionga Triangle to it via the Treaty of Versailles. The Rome Accords ended a civil war in this country that was fought between Afonso Dhlakama's right-wing rebel organisation and a president who died in a plane crash in 1986. (*) RENAMO conducted a 15-year rebellion against this country's leftist ruling party, FRELIMO. Joaquim Chissano ["jwah-KEEM shee-SAH-no"] and Samora Machel were the first two presidents of this country, whose flag depicts an AK-47. For 10 points, name this African country that used to be Portuguese East Africa and has its capital at Maputo.

ANSWER: Republic of Mozambique

<GP World History>

13. When told to pray for what he really wants, a man in a play titled for this substance says, "Dear God, please bring back Minnie." In a novel titled for this substance, three directors of a brewery are killed when Munira burn down the Sunshine Lodge brothel. This substance titles a play in which Death is disguised as a beggar woman and a woodcutter personifies the (*) moon. Ngugi wa Thiong'o ["GOO-gee wah thee-ON-go"] wrote a novel titled for "Petals" of this substance. A white pen pal strains the relationship of Zachariah and Morris in a play titled for this substance by Athol Fugard. This adjective is in the title of a play in which Leonardo Felix disrupts the title event between the Bride and Bridegroom. For 10 points, name this substance that describes a wedding in the title of a Federico Garcia Lorca play.

ANSWER: blood [accept Blood Knot, Petals of Blood, or Blood Wedding]

<OL World Literature>

14. This man was said to wallow in "spoils like a rhinoceros in an African pool" by the newspaper editor E. L. Godkin, who was famous for his psychotic hate of this man. One of this man's nicknames was derived from Robert Ingersoll's speech nominating him at the 1876 RNC. This politician pushed a constitutional amendment that would have prohibited government funding for parochial schools. This man's campaign was hurt by the Mulligan Letters and by (*) Reverend Samuel Burchard's comments about "Rum, Romanism, and Rebellion." Supporters of this "Plumed Knight" chanted "Ma, ma, where's my pa?" during an election in which he was abandoned by the Mugwumps. For 10 points, name this "continental liar from the state of Maine" who lost to Grover Cleveland in the 1884 election.

ANSWER: James Gillespie Blaine

<GP American History>

15. This character's namesake opera opens with the pounding chord progression B-flat major, A-flat major, E major. One character sings an aria about this character that opens with a B minor clarinet solo punctuated by a harp playing low B's; that aria is "E lucevan le stelle" ["ay loo-CHAY-von lay STEL-lay"]. This character sings an aria where she repeatedly asks, "Perché, perché, signore?" ["pair-KAY pair-KAY seen-YO-ray"] and states that she lived for (*) art and lived for love. This character places a crucifix over the dead body of a character she kills. Another character compares this character's eyes to the eyes in a painting of Mary Magdalene in the aria "Recondita Armonia." This character kills Baron Scarpia and commits suicide by jumping off the Castel Sant'Angelo after finding out her lover Mario actually died in his supposedly false execution. For 10 points, name this title woman of a Giacomo Puccini opera.

ANSWER: Floria Tosca [accept either underlined name]

<YFL Music and Opera>

16. A horse from this country who became a national icon in the 1870s for her perfect record in 54 races is the namesake of its Kincsem [“KEEN-chem”] Park. This country’s Bakony Mountains lies just north of a lake whose largest inflow is the Zala River. Another lake in this country is the world’s largest thermal lake, Lake Hévíz. Tokaji [“TOH-kye”] wines are produced in this nation’s UNESCO World Heritage Site of Tokaj. The Drava River forms much of this country’s border with (*) Croatia. Debrecen, near its border with Romania, served as its capital during World War II. After that war, the new currency of the forint was introduced here due to hyperinflation. For 10 points, name this country whose largest ethnic group is the Magyars and whose capital Budapest lies on the banks of the Danube River.

ANSWER: Hungary

<JB Geography>

17. An overdose of a class of drugs [emphasize] *named for this disorder* is treated using an infusion of sodium bicarbonate that alkalizes urine; that class of drugs used to treat this disorder is named for the fact that they have three rings and includes amitriptyline and nortriptyline. Escitalopram is the enantiopure version of a drug commonly used to treat this disorder. A 21-question inventory developed by (*) Beck that was built around a two-factor system can be used to assess this disorder. Lexapro and Celexa are among the most common drugs used to treat this disorder. “Selective reuptake inhibitors” treat this disorder by targeting norepinephrine, dopamine, or most commonly, serotonin. For 10 points, name this disorder commonly characterized by feelings of sadness and loss of pleasure.

ANSWER: major depression disorder [or clinical depression]

<DM Biology>

18. A character in this novel is confused by a “charade” beginning “My first displays the wealth and pomp of kings,” which has the answer “courtship.” The day after picking strawberries at Donwell Abbey, the protagonist of this novel cruelly reminds a woman that she must limit herself to three dull statements in a game proposed on a trip to Box Hill. A character in this novel keeps a box of bandages and pencils that her love interest (*) Mr. Elton had used, though that character eventually marries Robert Martin. Frank Churchill is secretly engaged to Jane Fairfax in this novel. At the end of this novel, Harriet Smith’s best friend confesses her love for George Knightley. For 10 points, name this novel about a member of the Woodhouse family written by Jane Austen.

ANSWER: Emma

<OL British Literature>

19. Ivan Albright collected a funeral wreath, a tombstone, and one of these objects from a junkyard as props for a painting of one of them titled *That Which I Should Have Done I Did Not Do*. Two peepholes drilled in a set of antique objects of this sort are used to view Duchamp’s *Étant donnés* [“ay-TAWN duh-NAY”]. With the moon behind his head, Jesus stands before an overgrown one of these objects in William Holman Hunt’s *The Light of the World*. Soup is being (*) served off of one of these objects in Breughel’s *The Peasant Wedding*. A sculptural group named for these objects includes *Ugolino and His Children*. Ghiberti won a contest over Brunelleschi [“broo-neh-LESS-kee”] to design panels for a set of these objects at the Florence Baptistry. For 10 points, name these structures exemplified by Rodin’s *The Gates of Hell* and Ghiberti’s *Gates of Paradise*.

ANSWER: doors [or gates until “gates” is read; prompt on entrances, apertures, etc.]

<YFL Painting and Sculpture>

20. A boojum is a pattern on the surface of this substance caused by a monopole singularity. A 2002 paper by Greiner et al. discussed quantum phase transitions of a system without thermal fluctuations from one of these substances to a Mott insulator. The circulation in these substances was first posited by Lars Onsager to follow quantized vortices. One form of these substances exhibit a fluctuation in thickness and temperature known as (*) “third sound.” Lev Landau posited the existence of rotons as excitations in one of these substances. These substances form Rollin films on the sides of their containers. Helium-4 was first observed by Pyotr Kapitsa to act as one of these substances below its “lambda point” of 2.17 kelvins. For 10 points, name these substances that exhibit zero viscosity.

ANSWER: superfluids [accept word forms]

<DM Physics>

21. A piano concerto by this composer opens with a soft unaccompanied clarinet solo that is soon joined by the 2nd clarinet playing a third below during an ascending line in C. This composer adapted his poorly received cello concerto into a *Symphony-Concerto* dedicated to Mstislav Rostropovich. The *Romance* of a work by this composer includes a notable solo for double bass - that work by this composer includes a (*) *Troika* after depicting the title figure’s wedding. This composer of the Lieutenant Kijé Suite wrote his Symphony No. 1 in imitation of Haydn. A ballet by this composer depicts the death of Tybalt and includes a “Dance of the Knights.” For 10 points, name this Russian composer of the ballet *Romeo and Juliet*, who used three horns to depict the title animal in *Peter and the Wolf*.

ANSWER: Sergei (Sergeyevich) Prokofiev

<YFL Music and Opera>

Bonuses:

1. In cancer cells, this process is the primary energy producer by the Warburg effect. For 10 points each:

[10] Name this metabolic pathway that consists of an investment phase and a payoff phase to produce two net ATP molecules. It occurs in the cytosol of the cell.

ANSWER: **glycolysis** [prompt on **Embden–Meyerhof–Parnas pathway**]

[10] In the second stage of glycolysis, fructose 1,6-bisphosphate is broken down into this 3-carbon intermediate and glyceraldehyde 3-phosphate in a reaction catalyzed by aldolase.

ANSWER: **DHAP** [or **dihydroxyacetone phosphate**]

[10] This enzyme catalyzes the phosphorylation of glucose into G6P, which provides the necessary activation energy for glycolysis to start. Glucokinase is one of its isoenzymes.

ANSWER: **hexokinase**

<DM Biology>

2. This poet's recurring character Crow is asked questions like "who owns these scratchy little feet?" in the poem "Examination at the Womb-Door." For 10 points each

[10] Name this British poet whose many animal poems include "The Thought Fox," published in his 1957 collection *The Hawk in the Rain*.

ANSWER: Ted **Hughes**

[10] Ted Hughes's 1998 collection about his marriage to Sylvia Plath is titled for "birthday" writings of this type. Epistolary fiction is presented as writings of this sort.

ANSWER: **letters**

[10] In the aforementioned Crow poem, Crow responds to all but one question with this figure's name. A 17th-century sonnet tells this figure "though some have called thee Mighty and dreadful... thou are not so."

ANSWER: **death** [accept "**Death**, be not proud"]

<JB British Literature>

3. 26 members of this ethnic group were killed in the Rock Springs Massacre. For 10 points each:

[10] Name this ethnic group that faced discrimination when they came in large numbers during the California Gold Rush. This ethnic group was banned from migrating to the United States by a namesake exclusion act.

ANSWER: **Chinese**-Americans

[10] These 1943 riots in Los Angeles targeted Mexican-Americans and their "pachuco" gangs after the Sleepy Lagoon murder case.

ANSWER: **Zoot Suit** Riots

[10] Eleven Italian-Americans were lynched in this city in 1894 for the killing of police officer David Hennessy. This city was also home of the "Axeman" serial killer, whose victims were primarily Italian-Americans.

ANSWER: **New Orleans**

<GP American History>

4. In a surprising announcement, Jacob Zuma announced that he was stepping down from his position as president of this country. For 10 points each:

[10] Name this country where Zuma succeeded Thabo Mbeki in 2009. Until 1994, this country's white-minority led government was maintained by a system of apartheid.

ANSWER: Republic of **South Africa**

[10] Zuma was a member of this political party, which gained power with the election of Nelson Mandela. Though its share of the vote has decreased in recent years, it remains the most powerful party in South Africa.

ANSWER: **ANC** [or **African National Congress**]

[10] This man replaced Zuma as president on February 15, 2018. He has been President of the ANC since December 2017, and has been active in South African politics since the 1970s.

ANSWER: Matamela Cyril **Ramaphosa**

<JK Current Events>

5. This composer was known as the "Berlin" member of his family to distinguish him from his brother, known as the "London" member of his family. For 10 points each:

[10] Name this composer of a *Solfeggietto* ["sole-fed-JET-oh"] for keyboard who played in the royal orchestra of Frederick the Great.

ANSWER: **Carl** Philip Emanuel **Bach** [accept **CPE Bach**; prompt on **Bach**]

[10] The most famous composer of the Bach family is this father of CPE Bach, known for his six suites for unaccompanied cello and his *Goldberg Variations*.

ANSWER: **Johann Sebastian** Bach [accept **J. S.** Bach]

[10] In J. S. Bach's *Goldberg Variations*, every third variation is this type of piece. In this type of piece, a main melody is repeated by other voices or instruments at regular intervals, and the "crab" variety of this piece from the *Musical Offering* can be visualized on a Möbius strip.

ANSWER: **canon**

<YFL Music and Opera>

6. A poem about this place describes the wind "ruffling" its "tawny pelt." For 10 points each:

[10] Name this place, a corpse-scattered paradise where a worm cries "Waste no compassion on these separate dead!" That poem titled for this place ends with questions like "How can I face such slaughter and be cool?"

ANSWER: **Africa**

[10] Other short poems by this author of "A Far Cry from Africa" include the oft-quoted "Love After Love" and "Ruins of a Great House." He also wrote an epic retelling of *The Iliad* set in the Caribbean.

ANSWER: Derek Alton **Walcott** (That epic is *Omeros*.)

[10] In a poem titled for these fruits, Walcott claims "The classics can console. But not enough." A Steinbeck novel titled for these fruits chronicles the migration of the Joad family during the Great Depression.

ANSWER: **grapes** [accept "Sea **Grapes**"; accept *The **Grapes of Wrath***]

<OL World Literature>

7. This compound is synthesized from proline and a boronic acid. For 10 points each:

[10] Name this catalyst that facilitates its namesake reduction of an achiral ["ay-KYE-ral"] ketone to a chiral alcohol. This is a combination of a Lewis acid and an auxiliary.

ANSWER: **CBS** catalyst [or **Corey–Bakshi–Shibata** catalyst]

[10] In the Arrhenius equation, e is raised to this quantity divided by negative RT . Catalysts lower this quantity of a chemical reaction, the amount of energy needed for it to proceed.

ANSWER: **activation** energy

[10] mCPBA is a reagent in the Prilezhaev ["pree-lih-JAH-ih"] reaction, which forms these cyclic ethers consisting of a three-atom ring. One of them, ethylene oxide, is named oxirane by IUPAC.

ANSWER: **epoxides**

<DM Chemistry>

8. Identify some artists associated with the new wave genre of the late 1970s. For 10 points each:

[10] This group, fronted by David Byrne, worked with Brian Eno to produce the Afrobeat-inspired album *Remain in Light*. They also released the hit songs "Psycho Killer" and "Burning Down the House."

ANSWER: The **Talking Heads**

[10] The eponymous debut album of this other American band has been certified as 6x Platinum. It includes the hits "My Best Friend's Girl," "Good Times Roll," and "Just What I Needed."

ANSWER: The **Cars**

[10] This man topped *The Village Voice's* Pazz & Jop critics' poll in 1978 for his sophomore album *This Year's Model* and again in 1982 for *Imperial Bedroom*. His backing band was known as The Attractions.

ANSWER: Elvis **Costello**

<AS Trash>

9. The description of this structure is broken down into "four homologous ideological maps" in Jonathan Z. Smith's *To Take Place*. For 10 points each:

[10] Name this imaginary structure whose measurements are scrupulously provided in cubits in a vision presented in chapters 40 through 48 of an Old Testament book.

ANSWER: **Ezekiel's Temple** [or the **Third Temple**; or the **Fourth Temple**; prompt on the Jewish **Temple**]

[10] The second religious structure discussed in *To Take Place* is the Church of the Holy Sepulchre, which is located in this city where the Second Temple and Solomon's Temple stood.

ANSWER: **Jerusalem**

[10] The first map of Ezekiel's Temple that Smith presents depicts a hierarchy of power based on this dichotomy. Mircea Eliade's major work is titled for these two adjectives, which respectively describe the holy and the everyday.

ANSWER: the **sacred** AND the **profane**

<JB Religion>

10. This man was once the supposed author of a rhyming translation of the *Consolation of Philosophy* called the *Metres of Boethius* [“bo-EE-thee-us”]. For 10 points each:

[10] Name this man who explained his goals in translating Gregory the Great’s *Pastoral Care* into his vernacular language in a preface to the work. A jewel named for him is likely one of the æstels he sent to bishops along with that translation.

ANSWER: **Alfred** the Great

[10] The translations carried out by Alfred and his scholars mostly rendered Latin texts in this Anglo-Saxon language used to write Beowulf.

ANSWER: **Old English** [do not accept or prompt on “English” or “Middle English”]

[10] King Alfred’s support for scholarship also led him to found a palace school in imitation of the one that was established by Charlemagne and led by this scholar from York.

ANSWER: **Alcuin**

<JB British History>

11. The “weapon focus” problem for these people was studied in an experiment in which subjects more accurately identified a man carrying a greasy pen than one with a bloody knife. For 10 points each:

[10] Name these people. A key role for forensic psychologists is appearing in court as the “expert” type of these figures.

ANSWER: **witnesses** [or **eyewitnesses**; or expert **witnesses**]

[10] That weapon focus experiment was conducted by this psychologist. In a study done with Palmer, this psychologist found that subjects’ estimates of the speed of car crashes was influenced by the use of the word “smashed.”

ANSWER: Elizabeth **Loftus**

[10] The reliability of eyewitnesses is undermined by Daniel Schacter’s “seven sins of memory,” which include misapplication of this process. This process of explaining the causes of behavior is subject to a “fundamental error.”

ANSWER: **attribution**

<JB Social Science>

12. Name some things about the depth-first search algorithm for traversing a graph, for 10 points each.

[10] Depth-first search is commonly implemented using one of these data structures that can be “pushed” and “popped” to insert and remove elements. These data structures follow a last in first out scheme.

ANSWER: **stacks**

[10] If a graph has V vertices and E edges, what is the big-O time complexity of depth-first search, in terms of V and E ?

ANSWER: big-O of **V plus E** [or **E plus V** ; do not accept or prompt on partial answers]

[10] For a directed graph, depth-first search can be used to perform this task. It involves ordering the vertices of a directed graph such that if there is an edge from u to v in the graph, then u must appear before v in the ordering.

ANSWER: **topological sorting** [or **topological ordering**; accept **topo-sorting**; prompt on **sorting** or **ordering**]

<DM Computer Science>

13. The general Quizquiz [“kees-kees”] served in this empire’s civil war, which pitted Huascar against his brother. For 10 points each:

[10] Name this South American empire with capital at Cuzco. It used the Quechua [“KETCH-wah”] language and used knotted strings called quipu [“kee-poo”] for record-keeping.

ANSWER: **Inca** Empire

[10] Quipus were often stored at stations known as tambos, where these messengers of the Inca would stop to relay information to other carriers.

ANSWER: **chasquis**

[10] Citizens of the Inca empire paid this tax where they worked on public projects for a few months out of the year. Under Spanish rule, one-seventh of a community’s male workers were required to work in mines to pay this tax.

ANSWER: **mit’a**

<GP World History>

14. A photograph by Annie Leibovitz taken in Central Park shows this man wrapped in fabric. For 10 points each:

[10] Name this mononymous artist who worked with his wife Jeanne-Claude on large-scale environmental artworks, such as *Wrapped Coast*, *Wrapped Reichstag*, and *Running Fence*.

ANSWER: **Christo** Vladimirov **Javacheff** [accept either underlined portion]

[10] In 1980, a year before doing Christo’s portrait, Leibovitz had photographed this man lying nude next to his wife Yoko Ono on the day that he was assassinated.

ANSWER: John **Lennon**

[10] In a 2012 interview, Leibovitz noted, “I don’t know if I believe in [this concept] any more.” This concept titles a photo book that includes an image of a man riding a bicycle past a winding stairwell, titled *Hyères, France* [“yair france”].

ANSWER: the **decisive moment**

<YFL Other Arts (Photography)>

15. One of these beings named Kraken takes over the island of Alca during the Middle Ages. For 10 points each:

[10] Name these creatures who are accidentally baptized by the monk Mael in a satirical novel. The group that owns a major publishing house named for this bird merged with Random House in 2013.

ANSWER: **penguins** [or **pingouins**; accept **Penguin Island**]

[10] This author of *Penguin Island* wrote a novel in which the hermit Paphnuce [“pahf-NOOSE”] converts the courtesan Thaïs [“tah-EESE”] to Christianity. He took his pen-name from his home country.

ANSWER: Anatole **France** [or Anatole **Thibault**]

[10] Penguin’s Twentieth Century Classics series includes an edition of this Anatole France novel, in which the artist Évariste Gamelin sentences Maurice Brotteaux to death during the French Revolution.

ANSWER: *The **Gods Will Have Blood*** [or *The **Gods Are Athirst***; or *The **Gods Are Thirsty***; *Les **dieux ont soif***]

<OL European Literature>

16. The Zener variety of these items allows current to pass in the opposite direction above a certain voltage. For 10 points each:

[10] Name these circuit elements that generally allow current to pass in only one direction.

ANSWER: **diodes**

[10] These heavily doped semiconductor diodes rely on quantum tunneling to work at high frequencies with a 10-nanometer p–n junction to allow electrons to pass energy barriers.

ANSWER: **Esaki** diodes [or **tunnel** diodes]

[10] A large enough electric force can lead to this sudden increase in current through an insulator. This phenomenon leads to breakdown in semiconductors.

ANSWER: **avalanche** breakdown

<DM Physics>

17. In Matthias Grünewald's *Mocking of Christ*, Jesus is depicted with this article of clothing. For 10 points each:

[10] Name this article of clothing. That Grünewald painting inspired the one worn by a snarling figure seated on a stool in the central panel of a triptych that depicts three amorphous furies against a burnt red background.

ANSWER: a **blindfold** [accept anything indicating that the subject has his **eyes covered** by a cloth]

[10] That blindfolded oresteia appears in a triptych by this artist. This artist is also known for a series of paintings adapting a Velázquez painting of Pope Innocent X that uses his motif of a screaming mouth.

ANSWER: Francis **Bacon**

[10] Bacon's triptych of the oresteias is titled *Three Studies for Figures at the Base of [this scene]*. Renditions of this religious scene include Gauguin's "yellow" version and Chagall's "white" version.

ANSWER: **crucifixion** [prompt on answers like the death of Christ]

<YFL Painting and Sculpture>

18. Bishop Hermann of Dorpat led the losing side at this battle. For 10 points each:

[10] Name this 1242 battle, often considered a decisive defeat in the Northern Crusades, at which the Novgorodian forces of Alexander Nevsky defeat the Livonian Order on the frozen Lake Peipus.

ANSWER: **Battle of the Ice**

[10] The Livonian Order was a branch of this crusader order, whose state controlled much of the Baltics until its Grand Master Albert created the Duchy of Prussia from its southern regions.

ANSWER: **Teutonic** Order [or **Teutonic** Knights]

[10] Albert's new Duchy of Prussia was officially recognized after he pledged loyalty to this uncle of his, the king of Poland. His childless son of the same name established an electoral monarchy through the Union of Lublin and was the last of the Jagiellons.

ANSWER: **Sigismund I** [or **Sigismund the Old**; accept **Zygmunt** or **Žygimantas** in place of Sigismund; prompt on Sigismund]

<GP European History>

19. Characters in this novel appeared in its author's short story *The Rockpile and the Outing*. For 10 points each:
[10] Name this novel. John Grimes resents Roy for receiving preferential treatment from his stepfather Gabriel in this novel, which sees a wrestling match with Elisha on the so-called threshing floor.

ANSWER: ***Go Tell it on the Mountain***

[10] This author of *Go Tell it on the Mountain* also wrote the short story "Sonny's Blues" and a novel about David's love of the title Italian waiter, *Giovanni's Room*.

ANSWER: James Arthur **Baldwin**

[10] Baldwin called this book's protagonist a descendant of Uncle Tom in his essay "Everybody's Protest Novel." This book is divided into the sections *Fear*, *Flight*, and *Fate*, and begins with an epigraph from the Book of Job.

ANSWER: ***Native Son***

<OL American Literature>

20. When this man and his wife threw rocks behind their shoulders, the stones became people. For 10 points each:
[10] Name this man who repopulated the earth with his wife Pyrrha according to the advice of an oracle of Themis.

ANSWER: **Deucalion**

[10] Deucalion and Pyrrha survived one of these cataclysmic events sent by Zeus. In the *Epic of Gilgamesh*, Utnapishtim survives one of these events.

ANSWER: **floods**

[10] Pyrrha appears to be the first person listed in this epic poem by Hesiod that only exists today in fragments. The phrase "ē hoiē," which translates to "or such as," appears repeatedly in this work.

ANSWER: ***Catalogue of Women*** [accept ***Ehoiai***]

<YFL Mythology>

21. Rosa Saks inspires the creation of Luna Moth in this novel. For 10 points each:

[10] Name this novel about the early comic book industry. A pair of Jewish cousins create the Escapist and other superheroes at Empire Comics in this book.

ANSWER: ***The Amazing Adventures of Kavalier and Clay***

[10] This author of *The Amazing Adventures of Kavalier and Clay* also wrote *The Yiddish Policemen's Union* and *Telegraph Avenue*.

ANSWER: Michael **Chabon** ["SHAY-bon"]

[10] In a memorable scene from *The Amazing Adventures of Kavalier and Clay*, this artist almost dies while wearing a diving suit. Federico Garcia Lorca wrote an ode to this artist and his "olive colored voice."

ANSWER: Salvador **Dalí**

<OL American Lit>