

Stevenson Memorial Tournament 2018

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Packet 15 (Finals Packet 2)

Tossups:

1. **A play by this author opens with a Hippocrates quote stating “What medicines will not cure, iron will cure.” A poem by this writer claims that “even the worm has been granted sensuality” before asking “World, do you know your creator?” This writer discussed how the “play drive” gives rise to freedom in a set of letters. Ulrich von Rudenz organizes “peasant nobles” in a play by this writer after the protagonist does not (*) bow to the Governor’s cap. Max Piccolomini falls in love with the daughter of the title Swedish general in this writer’s Wallenstein trilogy. This man’s most famous poem describes its subject as a “daughter of Elysium” and his most famous play sees Franz Moor abandon his brother Karl. For 10 points, name this German writer of *William Tell*, “Ode to Joy,” and *The Robbers*.**

ANSWER: Johann Christoph Friedrich von Schiller

<OL European Literature>

2. **The best known version of a ballet from this country is a revival by Frederick Ashton supposedly inspired by its composer coming to him in a dream; in that version, a boy protects a god from an arrow by diving in front of it. In that ballet from this country, the title character is kidnapped and carried off to an “Island Cave” by the hunter Orion. Another ballet from this country features a “Game” when one character finds herself in a room full of (*) mechanical dolls. A ballet from this country is based on a Torquato Tasso play and includes Eros as a character that comes to the aid of Aminta, a shepherd who has fallen in love with the titled character. In another ballet from this country, Swanhilda and her friends discover the title life-sized doll, *Coppélia*. For 10 points, name this country where the music for *Sylvia* was written by Léo Delibes [“deh-LEEB”].**

ANSWER: France

<YFL Other Arts (Ballet)>

3. **The high strength of LMCT and MLCT bands can be rationalised by their compatibility with these statements. Spin-orbit coupling can aid in the violation of these statements in heavy atoms. Vibronic coupling can lead to the violation of one of these statements which only applies to centrosymmetric molecules and states that certain processes must result in a (*) parity change. That statement is named for Otto Laporte. The low intensity of forbidden transitions is due to their violation of these statements. For 10 points, name these statements which govern whether or not certain electronic transitions are allowed.**

ANSWER: selection rules [or transition rules until “transition” is read]

<EM Physics>

4. Cantor Mikhail worked to make recordings of this sect's chanted liturgical music, which is accompanied only by the cymbal and triangle. "Growth" and "Harvest" are two of the three seasons on this sect's calendar, which is one of two religious calendars to include a five or six day month that it calls Pi Kogi Enavot. A bus convoy carrying pilgrims of this sect to a monastery was ambushed by gunmen in the 2017 Minya Attack. The liturgical language of the same name used by this sect was used to write the (*) Gnostic texts found at Nag Hammadi. Tawadros II succeeded Shenouda III as pope of this sect in 2012. This sect split off from the main Christian church due to the condemnation of Monophysitism at the Council of Chalcedon, and it traces its lineage to St. Mark. For 10 points, name this Orthodox church based in Alexandria, Egypt.

ANSWER: Coptic Orthodox Church of Alexandria [or the Copts; or Egyptian Orthodox until giveaway; prompt on Oriental Orthodoxy; prompt on Egyptian Church]

<JB Religion>

5. A kingdom in this country parcelled out land to nobles based on their rank in the *sakdina* system and was advised by the Greek adventurer Constantine Phaulkon. Gunboats blockaded this country's capital after the Paknam Incident. A dictator of this country established the Wild Tiger Corps paramilitary group, escalating the alienation of the military that led to this country becoming a constitutional monarchy via the later Promoters Revolution. A king of this country offered to aid (*) American agriculture by sending elephants to James Buchanan and signed the Bowring Treaty with Great Britain. Plaek Phibunsongkhram led a fascist government in this country, and Anna Leonowens tutored the children of its king Mongkut. For 10 points, name this Asian country ruled by the Chakri Dynasty, that was home to the kingdom of Ayutthaya.

ANSWER: Kingdom of Thailand [or Siam; accept Ayutthaya until "gunboats" is read]

<GP World/Other History>

6. An empirical correlation for the design of apparatus for this process is the Gilliland plot. For small amounts of sample, this process is often performed in a series of horizontally aligned bulbs in the Kugelrohr setup for its "short-path" form. Like chromatography, the efficiency of this process can be considered in terms of a number of (*) theoretical plates. A 95:5 mix of ethanol and water cannot be separated by this technique as it forms an azeotrope. Hydrocarbons of different lengths can be separated from crude oil by the "fractional" type of this process. For 10 points, name this process of separating liquids with different boiling points.

ANSWER: distillation

<EM Chemistry>

7. This concept is the subject of a book that cites Freud's analysis of the concept of cathexis when people mourn to build a theory of this concept. One philosopher refuted Foucault's analysis of the journals of Herculine Barbin when discussing this concept. Joan Riviere's idea of a type of this concept "as a masquerade" is cited by one philosopher who argued that this concept is (*) "performative." Thinkers such as Catharine MacKinnon have argued for the idea that this concept is constructed by society. *Bodies That Matter* follows up on a 1990 book that discusses how drag shows subvert this concept; that Judith Butler book is titled for "trouble" over this concept. For 10 points, name this concept that is distinguished from biological sex.

ANSWER: gender [prompt on sex until "Trouble" is read]

<YFL Philosophy>

8. A crowd chants “Here! Now and forever” at the funeral of this poet in a novel whose epigraph is this poet’s lines “How long does a man spend dying? / What does it mean to say ‘forever?’” In another poem by this writer, a man who has been “working, fishing, and fighting” is told that “the door and the road are yours.” A poem from that collection by this author commands a “brother” to “Speak through my words and my blood.” Besides “The (*) Earth’s Name is Juan” and “The Heights of Macchu Picchu,” this writer is known for a poem lamenting a “deserted one” in which the speaker exclaims “in you, everything sank!” For 10 points, name this Chilean poet of *Canto General* and *Twenty Love Poems and a Song of Despair*.

ANSWER: Pablo Neruda [or Neftali Ricardo Reyes Basoalto]

<OL World Literature>

9. A zone that makes up part of one of these features in Texas lies along the Balcones Fault Zone; both that example of one of these places and a namesake plateau are named after Haden Edwards. A February 2018 rumor accused Nestle and Coca-Cola of trying to privatize one of the largest examples of these locations; that one is named for the Guarani people. Muammar Gaddafi planned to connect one of these locations with Libyan cities in the Great Manmade River project. These locations are divided into (*) Contributing, Discharge, and Recharge Zones, and one of them makes possible center-pivot agriculture in much of the American Midwest. A potential threat to one of these places named Ogallala was a major cause of opposition to the Keystone XL pipeline. For 10 points, name these underground water deposits that are an important source of freshwater.

ANSWER: aquifers

<CH Geography>

10. The leader of one of these events was a Syrian who claimed to receive visions from the goddess Atargatis. That leader, Eunus, was crowned king in Enna with the help of his Cilician military commander, Cleon. A minor one of these events was led by the wealthy knight Titus Minucius, who committed suicide after its failure. A leader of one of these events made Athenion his general and took the name of a Seleucid king, Typhon. In the final one of these events, one side defeated (*) Gaius Claudius Glaber’s army by using ropes and ladders to rappel down cliffs. Oenomaus and Crixus led one of these events. The participants in the largest of these events were crucified along the Appian Way. For 10 points, name this type of uprising, one of which was led by Spartacus.

ANSWER: Roman slave revolts [or Servile Wars; accept synonyms for “revolts”; prompt on slave revolts]

<GP European History>

11. One of these places is the home of Cassandra Mortmain in a novel by Dodie Smith that is titled for one of them. A series named for one of these places includes *Titus Groan* and *Titus Alone*. Mervyn Peake’s *Gormenghast* is centered on one of these places. In a novel titled for one of these buildings, two men agree to marry each others daughters, and a mark shaped like a bloody arrow on another character’s shoulder reveals that he is a (*) friar’s son. Theodore helps a girl escape from one of these places, causing the ire of Manfred. A novel titled for one of these buildings opens with Conrad being crushed by a giant helmet. For 10 points, name these buildings often present in Gothic literature, like Horace Walpole’s *The [this building] of Otranto*.

ANSWER: castle [prompt on synonyms like citadel or palace or fortress]

<JK British Literature>

12. **Continuous measurable functions must have this property almost everywhere to be assigned the L-infinity norm. The Riemann–Stieltjes [“steel-chiss”] integral can be computed on functions whose total variation has this property. In topology, if for every x , a metric space has a finite cover of open balls with radius at most x , then the space is “totally” this property. A function that has this property and is holomorphic everywhere is constant, by Liouville’s [“lyoo-VEEL’s”] theorem. A set of real numbers is (*) compact if it is closed and has this property. A monotone sequence converges if and only if it has this property, and a sequence with this property has a convergent subsequence by the Bolzano–Weierstrass theorem. For 10 points, a sequence has what property if the absolute value of every term is less than some fixed number?**

ANSWER: **bounded** [accept word forms; accept **totally bounded**]

<AW Math>

13. **This symphony opens with a pounding march from the low strings while the first violins play a dotted-eighth, sixteenth, eighth note rhythm on E F F, then F-sharp G G, and then G-sharp A A three times. This symphony is the only one by its composer to have been transcribed for piano four hands by Alexander von Zemlinsky. The first movement of this symphony contains the repeated motif of an A major chord changing to A minor over a timpani beat. The trio section of this symphony may depict children playing in the sand and is subtitled (*) “old-fashioned.” Later editions of this symphony replaced the third note of a distinctive passage with silence, an instruction that Leonard Bernstein ignored. This symphony contains a theme identified with the composer’s wife, Alma. For 10 points, identify this symphony by Gustav Mahler that contains three notable hammer blows and is nicknamed the Tragic Symphony.**

ANSWER: Gustav **Mahler’s Symphony No. 6** in A minor, **Tragic** [accept either underlined portion until read; prompt on incomplete answer until “Mahler” is read]

<KS Music and Opera>

14. **In Thai folklore, some of these beings called the Phi-Ka-Dong have saliva that can cure disease. After being disfigured with poisoned makeup, Oiwa became an *onryō*, a particularly violent subset of these beings. The Japanese Yūrei are some of these beings that attack between 2 and 2:30 am, and some of them in Korean folklore are named for their resemblance to eggs. The Chinese burn “hell money” for these beings, and some of these creatures are called pretas, or (*) “hungry” ones. In Korea and Japan, these beings are often depicted with white traditional clothing and long black hair. Ancestors who have not been venerated can become these things, but can be appeased with offerings. For 10 points, name these beings that often result from violent deaths.**

ANSWER: **ghosts** [accept **spirits**, **onryō**, **Yūrei**, **pretas**, or **ancestors** before mention, or **gwishin**, or **gui**; prompt on answers like **yokai** or **demons**; prompt on **dead people**]

<JK Myth>

15. **A settlement in this region was raided by Hippolyte Bouchard, who raised the Argentine flag over it for six days. The name of this region comes from a fictional paradise in the book *The Adventures of Esplandian*. This modern-day state is most likely the location of the Nova Albion colony claimed by Francis Drake, who traded with its native Miwok people. This home state of the Chumash people is where the Russian-American Company established (*) Fort Ross. After the Portola Expedition to this modern-day state, a series of 21 missions linked by a route called El Camino Real was established here under the leadership of Junipero Serra. The population of this modern-day state vastly increased after a discovery was made at Sutter’s Mill. For 10 points, what future state was the site of an 1849 Gold Rush?**

ANSWER: **California** [or Alta **California**]

<GP American History>

16. **This dynasty abandoned its support for Brittany in order to get France to extradite a rebel against it via the Treaty of Etaples. A monarch of this dynasty agreed to reduce tariffs on Spanish goods and obtained a wife for his son in the Treaty of Medina del Campo. A ruler of this dynasty ordered a canvas palace complete with wine fountains to be built for a lavish diplomatic meeting, during which he wrestled Francis I on the (*) Field of the Cloth of Gold. The first ruler from this dynasty used the Court of Star Chamber to check threats to his authority, while his son passed the Act of Supremacy to make himself head of the Church of England. For 10 points, name this English dynasty that included Henry VIII and Henry VIII.**

ANSWER: House of **Tudor**

<GP British History>

17. **One organism named for its affinity for this substance develops 500-nanometer wide patches of purple membrane under low oxygen conditions. That purple colour is due to the crystallisation of the light-driven proton pump bacteriorhodopsin [“bacterio-rhodopsin”]. Glycophytes are contrasted with plants such as *Spartina alterniflora* which can tolerate (*) high levels of this substance. Penguins can remove this substance from their bloodstream with their supraorbital glands. High concentrations of this substance are excreted from the skin of cystic fibrosis sufferers. To prevent hypothyroidism, small amounts of potassium iodide can be added to this substance prior to human consumption. For 10 points, name this substance produced by the evaporation of seawater.**

ANSWER: **salt** [or **sodium chloride**; or **NaCl**; or **brine**]

<EM Biology>

18. **This painting was depicted in a hundred-foot-long, three-story tableau vivant to celebrate the *joyeuse entrée* of one of its artist’s patrons. The frame of this painting is inscribed with a verse noting that the artist “carried through the task at the expense of Jodocus Vyd,” who is depicted kneeling with his wife Isabel Borluut in this painting. A group of eight angels, none of them looking at the music stand before them, sing opposite St. Cecilia playing the organ in this painting. This painting’s panel *The (*) Just Judges* went missing in the 1930s, and it spent much of World War II in the Altaussee salt mine. In the meadow at the center of this painting, angels kneel around an animal standing on an altar; that is its Adoration of the Mystic Lamb. For 10 points, name this Hubert and Jan van Eyck altarpiece named for a Belgian city.**

ANSWER: ***Ghent Altarpiece***

<JB Painting and Sculpture>

19. **Harold Innis argued that instances of these phenomena directed to time and space-based media influenced the structure of empires in a book on “[this concept] of Communication.” One study used the shift in average estimates obtained by reversing the numbers from one to eight in a multiplication problem to illustrate one of these phenomena called “anchoring.” The idea that these phenomena result from mental shortcuts called heuristics was introduced in the paper (*) “Judgments Under Uncertainty” by Kahneman and Tversky. Examples of these phenomena include the halo effect and the Just-world hypothesis. The tendency to remember information that supports one’s beliefs is the “confirmation” one of these phenomena. For 10 points, give this term for mental errors and prejudices.**

ANSWER: cognitive **biases** [prompt on **heuristics**, mental **errors**, **fallacies**, **illusions**, **prejudices**, and similar answers]

<JB Social Science>

20. In a poem, this man described “fine collapses” that “are not lies any more than the pirouettes of any pliant cane.” That poem by this man begins by saying “we make our meek adjustments contented with such random consolations.” This poet described how the title figure of one poem observed “the dice of drowned men’s bones” “bequeath an embassy.” In a different poem, this poet of “Chaplinesque” and “At (*) Melville’s Tomb” described the addressee’s guerdon as “obscure as the heaven of the Jews.” This poet included “Proem: To Brooklyn” as the opening section of an epic poem, whose other sections include “Powhatan’s Daughter” and “Cape Hatteras.” For 10 points, name this modernist American poet of the epic poem *The Bridge*.

ANSWER: Hart Crane [or Harold Hart Crane]

<JO American Literature>

21. This monarch held a wine tasting that was documented by the poet Henry d’Andeli. This monarch’s forces were beaten at the Battle of Freteval and the monk Rigord gave him his most famous nickname after defeating the Count of Flanders at Amiens. This king’s nation was put under an interdict by Pope Innocent III, because this king refused to take back his wife, Ingeborg of Denmark. This king ordered the construction of a wall surrounding Paris to protect it before he went on a (*) Crusade, which he left following the Siege of Acre. This king defeated an allied coalition under the Holy Roman Emperor Otto IV at the Battle of Bouvines, and he fought the Angevin Empire after returning from the Third Crusade. For 10 points, name this French king who reigned from 1180 to 1223, and whose nickname was that of the first Roman Emperor.

ANSWER: Philip II [accept Philip Augustus, prompt on Philip]

<GP European History>

Bonuses:

1. The interaction of their oscillations with a periodic acoustic field can give rise to Bjerknes [“BYURK-niss”] forces. For 10 points each:

[10] Name these structures whose collapse can give rise to sonoluminescence.

ANSWER: **bubbles**

[10] Heating a small pocket of ink within a chamber generates a bubble which fires out a droplet in a common technique in the “inkjet” form of this process. CMYK cartridges are often used when performing it on paper.

ANSWER: **printing**

[10] Bubble chambers can detect charged particles as they pass through a liquid in this metastable phase. In this phase, a liquid has a temperature above its boiling point but lacks nucleation centres for vaporisation to begin.

ANSWER: **superheated**

<EM Physics>

2. European victims of this people’s practice of cannibalism included the French explorer Marion du Fresne and the crew of the *Boyd*. For 10 points each:

[10] Name these people whose tribes fought the Musket Wars in the early 19th-century. They are the indigenous people of New Zealand.

ANSWER: **Māori**

[10] William Hobson convinced over 500 Māori chiefs to sign this treaty in 1840, giving the British Empire control over New Zealand.

ANSWER: Treaty of **Waitangi**

[10] The Taranaki Māori exterminated and enslaved the native Moriori people of these islands. After suppressing the Hauhau Movement, the New Zealand government imprisoned many of its adherents on these islands.

ANSWER: **Chatham** Islands

<GP World History>

3. Answer the following about times that Hercules’ coward cousin Eurystheus hid in a giant jar, for 10 points each.

[10] Eurystheus first hid in his bronze winejar after Hercules returned wearing the skin of this creature. Its skin was impermeable to everything except its own claws, so Hercules wrestled it to death.

ANSWER: **Nemean lion** [prompt on incomplete answer]

[10] Hercules’ fourth task was to capture this animal sent by Apollo to kill Adonis. With Chiron’s help, Hercules captured this creature, which scared Eurystheus so much that he trembled for three days.

ANSWER: **Erymanthian Boar** [accept “pig” in place of boar; prompt on incomplete answer]

[10] Hercules’ last labor was to capture Cerberus, who Diodorus writes was given to him willingly by this queen of the Underworld. Thanks to this daughter of Demeter, Hercules sent Eurystheus to his jar for a third and final time.

ANSWER: **Persephone** [or **Proserpine**; accept **Kore**]

<JK Myth>

4. This book summarizes the beliefs of Kirilov from Dostoevsky's *The Possessed* as "God does not exist: therefore, I am God." For 10 points each:

[10] Name this book that includes sections on "Don Juanism" and "Ephemeral Creation." An essay from this book declares that the only serious philosophical problem is suicide, and that we must imagine the title figure happy.

ANSWER: *The Myth of Sisyphus*

[10] *The Myth of Sisyphus* is a book by this philosopher who is best known for writing the philosophical novel *The Stranger*.

ANSWER: Albert Camus

[10] This other philosophical book by Camus claims that "to breathe is to judge" and says its title figure falls into the "inevitable logic of nihilism."

ANSWER: *The Rebel*

<YFL Philosophy>

5. In a 1967 essay, Carolyn Heilbrun argued that generations of scholars had mischaracterized this woman as an adultress. For 10 points each:

[10] Name this woman who is the subject of Howard Barker's play *The Cry*. Baldwin Maxwell argued that she has little initiative, as shown by her responding "Alack, I had forgot," when her son says he must go to England.

ANSWER: Gertrude [prompt on Hamlet's mother]

[10] Gertrude has been treated by many critics as less important to the plot of Hamlet than this other woman, with whom Hamlet is in love. She goes mad and commits suicide after Hamlet kills her father, Polonius.

ANSWER: Ophelia

[10] At the end of his "to be or not to be" speech, Hamlet orders Ophelia, "Get thee to" one of these places. At the time, this term was also popular slang for a brothel.

ANSWER: a nunnery [prompt on convent]

<JK British Literature>

6. This man's production of *Don Giovanni* was staged to resemble a blaxploitation film in the Bronx. For 10 points each:

[10] Name this theater and opera director. In one of his collaborations, he wrote a libretto quoting from government documents and poetry ranging from John Donne to a Tewa traditional song.

ANSWER: Peter Sellars

[10] Peter Sellars is a frequent collaborator of this composer and directed his operas *The Death of Klinghoffer* and *Nixon in China*.

ANSWER: John Coolidge Adams

[10] Sellars wrote the libretto for this Adams opera that includes the Donne quote "Batter my heart, three person'd God." This opera begins with a chorus singing "We believed that matter can be neither created nor destroyed."

ANSWER: Doctor Atomic

<YFL Music and Opera>

7. At this battle, the Americans defeated a British-Western Confederacy alliance that included Blue Jacket. For 10 points each:

[10] Name this 1794 battle in Ohio that led to the end of the Northwest Indian War and the signing of the Treaty of Greenville.

ANSWER: Battle of **Fallen Timbers**

[10] The American army at the Battle of Fallen Timbers was led by this “mad” general. A fort named for him was constructed at the site of Kekionga, the Miami tribe’s capital, in present-day Indiana.

ANSWER: “Mad” Anthony **Wayne**

[10] The US Army was defeated in Ohio by Little Turtle and Blue Jacket at the Battle of the Wabash, a loss often called this general’s “defeat.” This first governor of the Northwest Territory was earlier court-martialed after retreating from Fort Ticonderoga.

ANSWER: Arthur **St. Clair**

<AN American History>

8. The “doctrine of survival” is a legal fiction still used in parts of the United States in cases of simultaneous death. For 10 points each:

[10] The doctrine of survival says that if two people die in a way that makes it impossible to determine order of death, the person with this trait is said to have died first. In primogeniture, the son with this trait is first to inherit.

ANSWER: being **older** [or being **eldest**; accept equivalents, but prompt on just age or being old; accept being **born first**]

[10] Another legal fiction involved this historic English county. Because the Court of King’s Bench only had jurisdiction over crimes taking place in this county, spurious charges for trespassing here would be brought against a defendant, then quietly substituted with the actual complaint.

ANSWER: **Middlesex** [or the Bill of **Middlesex**]

[10] This English philosopher claimed fiction was as of much use to law as swindling was to trade. This advocate of codifying common law into statutes wrote *A Fragment on Government*.

ANSWER: Jeremy **Bentham**

<JK Social Science>

9. This author’s “Poem Without a Hero” was originally dedicated to those who had died at Leningrad. For 10 points each:

[10] Name this Russian poet, who wrote “Seventeen months I’ve pleaded / for you to come home” in “Requiem,” a poem about Stalin’s Great Purge.

ANSWER: Anna **Akhmatova** [or Anna Andreyevna **Gorenko**]

[10] Though this other Russian author was married, he proposed to Akhmatova several times. The CIA embarked on a campaign to disseminate this author’s *Doctor Zhivago*, even instructing tourists to discuss it with Soviet citizens.

ANSWER: Boris **Pasternak**

[10] Nikita Khrushchev denounced the decision to award Pasternak the Nobel Prize in Literature, demanding that it instead go to this Soviet Realist author of *And Quiet Flows the Don*, who himself won the Nobel seven years later.

ANSWER: Mikhail **Sholokhov**

<JK European Literature>

10. Harlow Shapley misidentified these stars as Cepheid [“SEF-ee-id”] variables during his early studies of globular clusters. For 10 points each:

[10] Name these low-mass Population II variable stars.

ANSWER: **RR Lyrae** variables

[10] RR Lyrae stars lie at the bottom left of an “instability strip” on this diagram, which plots spectral class on its x -axis and magnitude on its y -axis.

ANSWER: **Hertzsprung–Russell** diagram [or **HR** diagram]

[10] RR Lyrae stars are useful as “standard candles” for determining this property of globular clusters. Parallax measurements provide another method for measuring this quantity, which is proportional to the rate of apparent recession according to Hubble’s Law.

ANSWER: **distance** [or **how far away they are**]

<EM Astronomy>

11. This aid group came under fire after the *Times* of London alleged that its workers had exploited survivors for sex. For 10 points each:

[10] Name this confederation of charitable organizations centered in Oxford, England. Originally centered around combating famine, its other aims include economic justice and, somewhat ironically, gender justice.

ANSWER: **Oxfam** [accept **Oxford** Committee for **Famine** Relief or **Oxfam** International]

[10] Oxfam workers are accused of creating a “full-on ‘Caligula’ orgy” including underage prostitutes in this Caribbean country, the site of a devastating earthquake in 2010.

ANSWER: **Haiti**

[10] The Oxfam scandal broke a few weeks after the *Financial Times* published an exposé of the annual charitable dinner held by this British “club.” This charity announced it would disband after revelations that its scantily clad “hostesses” had been subjected to groping and harassment by the all-male attendees.

ANSWER: the **Presidents** Club Charitable Trust

<JK Current Events>

12. Answer some questions about protein labelling, for 10 points each.

[10] A common method for protein labelling is to use maleimides to target residues of this amino acid which contains a thiol side chain. Residues of this amino acid are linked to form disulfide bridges.

ANSWER: **cysteine** [or **Cys**]

[10] A common label to be added to proteins is this compound which is strongly bound by streptavidin. This compound is a coenzyme for several carboxylase enzymes.

ANSWER: **biotin** [or **vitamin B7**; accept **vitamin H**]

[10] Another common label is this protein first isolated from a jellyfish. It contains a beta-barrel motif and has been cloned into various non-jellyfish animals to make them glow in the dark.

ANSWER: **green fluorescent protein** [or **GFP**]

<EM Biology>

13. This artist wrote a manifesto that claimed he had discovered how to reduce art to the “zero of form.” For 10 points each:

[10] Name this artist who collaborated with Vladimir Tatlin and the Cubo-Futurists before founding his own art movement, Suprematism. He painted *Black Square* and *White on White*.

ANSWER: Kazimir **Malevich**

[10] Malevich founded Suprematism, an art movement from this country. Ilya Repin was a member of Peredvizhniki, or The Wanderers, a 19th-century art group from this country.

ANSWER: **Russia** [accept **USSR** or **Soviet Union**]

[10] El Lissitzky, a student of Malevich, is best known for one of these pieces of art that shows a red wedge piercing a white circle.

ANSWER: propaganda **posters**

<YFL Painting and Sculpture>

14. This author was associated with the *nouveau roman* movement, and her *Moderato Cantabile* marked her shift to more experimental works. For 10 points each:

[10] Name this novelist who fictionalized her affair with a Chinese man in *The Lover*. She wrote the screenplay for Alain Resnais’s film *Hiroshima mon amour*.

ANSWER: Marguerite **Duras** [or Marguerite **Donnadieu**]

[10] Duras was nominated for this Academy Award for *Hiroshima mon amour*, as was her fellow *nouveau roman* author Alain Robbe-Grillet. In 2018, Jordan Peele became the first African American to win this award.

ANSWER: Academy Award for Writing **Original Screenplay** [or the Oscar for best Original Screenplay; prompt on answers that only mention screenplay or script but do not accept or prompt on “Adapted Screenplay”]

[10] This American dramatist was nominated for an Oscar for Best Original Screenplay for *The North Star*. Her play *Another Part of the Forest* is a prequel to her 1939 drama *The Little Foxes*.

ANSWER: Lillian **Hellman**

<JK Other Literature>

15. The economy of this country was partially privatized via the “New Course” policy. For 10 points each:

[10] Name this country whose SED party was led by Erich Honecker.

ANSWER: **East Germany** [accept **German Democratic Republic** and **GDR**; do not accept or prompt on “Germany”]

[10] One of East Germany’s most prominent exports was this car known for its extremely smoky exhaust. This car’s body was constructed out of Duroplast, a plastic made from Soviet cotton waste.

ANSWER: the **Trabant** [or the **Trabi**; accept answers giving specific model numbers]

[10] 239 East Germans died while attempting to do this action, including Peter Fechter, who was shot and left to bleed to death while trying to perform this action at the “death-strip” near Checkpoint Charlie.

ANSWER: **crossing** the Berlin **Wall** [or equivalents; prompt on answers about fleeing the country that don’t mention the wall]

<GP European History>

16. Bob Jones feels like “King Kong” when near Madge Perkins in one of this man’s novels. For 10 points each:
[10] Name this author of *If He Hollers Let Him Go*. He also wrote a mystery series about Gravedigger Jones and Coffin Ed Johnson that includes *The Real Cool Killers*.

ANSWER: Chester **Himes**

[10] Himes’ aforementioned detective series is set in this neighborhood. This neighborhood names a literary movement that includes Langston Hughes, Claude McKay, and other African American writers.

ANSWER: **Harlem** [or the **Harlem** Renaissance]

[10] Harlem Renaissance writer Countee Cullen asks this type of person “Is your heart as true as your arm?” in one poem. A John Cheever story titled for this type of person chronicles Neddy Merrill’s trip home from a party.

ANSWER: **swimmer** [or “To the **Swimmer**”; or “The **Swimmer**”]

<OL American Literature>

17. Answer the following about contemporary art that makes use of Lego bricks, for 10 points each.

[10] In 2017, Lego brick portraits of dissidents by Chinese artist Ai Weiwei were displayed on the floor of this city’s Hirshhorn Museum. This city is home to the Phillips Collection and a gallery whose East Building was designed by I. M. Pei.

ANSWER: **Washington**, D.C. [or **District of Columbia**]

[10] An artist from this country, Nadin Ospina, photographed rifle-toting, camo-clad Lego minifigures for a series titled “[this country] Land.” Fernando Botero, an artist from this country, is known for his paintings of cartoonishly chubby human figures.

ANSWER: **Colombia**

[10] In 1996, the Jewish Museum in New York controversially exhibited Polish artist Zbigniew Libera’s lego set about this event. A grid of concrete slabs makes up the Berlin memorial to this event, the subject of the film *Shoah*.

ANSWER: the **Holocaust** [or **Auschwitz**]

<JB Other Arts (Visual)>

18. A Jack Chick tract popularized Robert Morey’s insane theory that Allah was originally a god of this object. For 10 points each:

[10] Name this celestial object that appears with a star on the flags of Turkey and several other Muslim countries. The Islamic calendar is derived from the periods of this object.

ANSWER: the **Moon** [prompt on the **crescent**]

[10] In response to the Quraysh tribe’s request for him to perform a miracle, Muhammad is said to have caused the Moon to undergo this action.

ANSWER: **splitting** in two [accept synonyms]

[10] A pre-Islam Arabic god sometimes associated with the Moon, Hubal, was worshipped at the location of this building. The Black Stone is located at the eastern corner of this building, which is circled seven times during a hajj.

ANSWER: **Kaaba**

<JB Religion>

19. This man received the title of Duke of Arkansas for his economic contributions. For 10 points each:

[10] Name this Scottish economist who established the Banque Royal in France, and was responsible for the Mississippi Company Bubble.

ANSWER: John **Law**

[10] The Mississippi Company Bubble has often been compared to this bubble in Britain taking place at the same time. This bubble featured a company created by Robert Harley, that had exclusive trading rights in Spanish America.

ANSWER: **South Sea** Bubble

[10] The South Sea Bubble helped propel this man to power as the first de facto prime minister of Britain. This man's time in power is referred to as the Robinocracy, and he was nicknamed the "Screenmaster-General."

ANSWER: Robert **Walpole**

<GP British History>

20. In the absence of Wnt ["WINT"], this protein is degraded by a destruction complex which includes Axin, APC and PP2A. For 10 points each:

[10] Name this dual-functional protein which forms part of the mammalian cell adhesion complex along with E-cadherin.

ANSWER: **beta-catenin** [accept **armadillo**]

[10] When Wnt signalling is activated, the destruction complex is recruited to this structure, allowing beta catenin to migrate to the nucleus. This structure envaginates during endocytosis, and cholesterol can affect its permeability.

ANSWER: **cell membrane** [or **plasma membrane**]

[10] Beta-catenin mutations are strongly implicated in the development of the cancer of this organ, the final part of the large intestine, which terminates in the anus.

ANSWER: **colon** [or **rectum**]

<EM Biology>

21. Answer the following about Wallace Stevens poetry about poems, for 10 points each:

[10] In "Poetry is a Destructive Force," Stevens considers how this animal "sleeps in the sun" and can "kill a man." Hemingway's *The Old Man and the Sea* ends with the old man dreaming about these creatures.

ANSWER: **lions**

[10] Stevens describes "The Poem that Took the Place of [this object]" in his collection *The Rock*. One of these objects names a school of poets that included Robert Creeley and Charles Olson.

ANSWER: **mountain** [or Black **Mountain** poets]

[10] In a poem named for a "high-toned" woman of this religion, Stevens claims "Poetry is the supreme fiction." Stevens alludes to "the tomb of Palestine" where this religion's messiah rose from the dead in "Sunday Morning."

ANSWER: **Christianity** [or "A High-Toned Old **Christian** Woman"]

<OL American Literature>