

AQBL October Set

Written and edited by Michael Borecki (chemistry by Eliana Roberts)

Packet 14

1. **One character in this musical exclaims “You all killed him!....Not with bullets, or guns, with hate. Well now I can kill too, because now I have hate.” That character in this musical works in a bridal shop and is arranged to marry (*) Chino. In a song from this musical, Rosalia praises her home island, while Anita describes “the hurricanes blowing” and “the money owing.” In one scene from a musical, two characters sing “Tonight” while standing on a fire escape. For 10 points, name this Leonard Bernstein musical in which a group of Puerto Rican immigrants, the Sharks, fight with their rival gang, the Jets.**

ANSWER: West Side Story <Other Fine Arts>

2. **In one chapter of this novel, a car swerves to avoid a turtle in the road, though that turtle is later clipped by a truck. A preacher in this novel is self-described as “lousy with the spirit” but considered an analogue to Jesus, and gives himself up after one character trips a cop chasing Floyd Knowles, who had asked for a (*) written contract. The protagonists of this novel are paid five cents per box while picking peaches as Jim Casy leads a strike outside the farm. Rose of Sharon gives birth to a stillborn baby at the end of, for 10 points, what John Steinbeck novel following the Joad family’s voyage to California during the Dust Bowl?**

ANSWER: *The Grapes of Wrath* <American Literature>

3. **This actor played the recurring character “Blizzard Man” on Saturday Night Live. Along with Bill Hader and Shia LaBeouf, this actor starred in a sketch in which “Whatcha Say” plays after a gun is fired; he also appears as a Viking in “Natalie’s Rap” and alongside Justin (*) Timberlake in three related digital shorts. A group featuring this actor released the albums *Incredibad* and *Turtleneck & Chain*, and he played “Connor4Real” in their film Popstar. For 10 points, name this member of The Lonely Island, who stars alongside Terry Crews and Melissa Fumero as Detective Jake Peralta in *Brooklyn Nine-Nine*.**

ANSWER: David A.J. Samberg (or Andy Samberg) <Pop Culture>

4. **The Hamilton Rating Scale and the Beck Inventory are surveys used to diagnose this disease, which is milder but longer-lasting in dysthymia. The monoamine theory of the causes of this disease is based on the role of tryptophan in producing (*) serotonin. Cognitive behavioral therapy was first developed to support patients with this disease, which is labelled “secondary” if it accompanies terminal or chronic conditions. For 10 points, name this mental disorder whose symptoms usually include loss of interest in activities, low energy, and low mood.**

ANSWER: clinical depression (or major depressive disorder; or MDD) <Biology>

5. **In 2019, the Maltese embassy to this country banned further graffiti on the Lennon Wall in this country’s capital. In this country, the bones of thousands of individuals have been used to build decorations for the Sedlec Ossuary near the city of Kutna Hora. Cesky Krumlov is a historic city on the (*) Vltava River in this country. St. Vitus Cathedral is in a large castle complex in the capital of this country; that capital also contains Frank Gehry’s Dancing House, Wenceslas Square, and the Charles Bridge. For 10 points, name this country with regions Moravia and Bohemia, and capital Prague.**

ANSWER: Czechia (or Czech Republic) <Geography>

6. **One character in this poem is “wrenched / with a woeful agony” and asked “what manner of man art thou?” That character in this poem advises “he prayeth best, who loveth best” to a figure who “went like one that hath been stunned” and rose “a sadder and a (*) wiser-man.” The figures of Death and Life-in-Death play a game of dice in this poem, whose title figure narrates to the wedding guest about how there was “water, water everywhere / nor any drop to drink” after shooting an albatross with a crossbow. For 10 points, name this Samuel Taylor Coleridge about a sailor’s lengthy voyage.**

ANSWER: “The Rime of the Ancient Mariner” <British Literature>

7. **Henry Lane Wilson, a U.S. ambassador to this country, is believed to have arranged the murder of its president as part of a 1913 coup known as the Ten Tragic Days. The third article of a constitution written in this country established (*) secular public education, while its 130th established separation of church and state, leading to the Cristero War. This country was led by Venustiano Carranza and Porfirio Diaz in a conflict sparked by Francisco Madero's Plan of San Luis Potosi. For 10 points, what country's 1910-1920 Revolution included armies led by Emiliano Zapata and Pancho Villa?**

ANSWER: Mexico (or United Mexican States) <World History>

8. **In Ovid's *Fasti*, this god co-rules Latium with Saturn after he is taught agriculture, and he raped the nymph of a sacred wood along the Tiber. The epithet "pater" was typically only given to this god, and religious rites often began by invoking him and ended with an invocation to Vesta. The gate of the Argiletum was named for this god, to whom the first verses of the Carmen Saliare are devoted. The gates to Rome's (*) Temple of this god were closed in peace and opened during war. For 10 points, name this Roman god of beginnings, endings, and similar transitions, who is often depicted with two faces.**

ANSWER: Janus <Mythology>

9. **In the presence of this ion, epoxides are opened at the more substituted carbon through an SN1-like mechanism. Tautomers are isomers that differ only by the location of this ion. Fischer esterification is catalyzed by this ion. This ion's standard reduction potential is (*) 0. This ion names the most commonly used type of NMR spectroscopy. A Brønsted-Lowry acid is defined by its ability to donate this ion to a base, and it is produced in addition to hydroxide through the ionization of water. For 10 points, name this ion made up of a single proton.**

ANSWER: hydrogen ion (accept H+, accept H3O+ before "tautomers"; accept proton before mention) <Chemistry>

10. **In 2019, divers found a temple and a large ceremonial ship in the ruins of an ancient city sunk by soil liquefaction in this modern-day country. The ruins of Heracleion are in this modern-day country, where people believed in a "life-force" called a *ka* and a soul called a *ba*. The game of (*) senet was developed in this country, where mudbrick mastabas were an early form of tomb. Canopic jars were used in the burial process of this modern-day country, where the *Book of the Dead* described the soul's journey to the afterlife. For 10 points, name this modern-day country that includes the ancient cities of Luxor, Memphis, and Giza.**

ANSWER: Arab Republic of Egypt (accept Ancient Egypt) <Ancient/Misc. History>

11. **Robert and Helen Lynd are best known for a large field study of a community in this country, which was also the subject of a William Whyte book arguing most of its residents had collectivist rather than individualist ethics, leading them to be the title loyal figure. The "mouth-rite," stone-walled "shrine rooms," and a cultural hero who chopped down a (*) tree containing the Spirit of Truth, Notgnihsaw, are described in a satirical paper about society in this country. *The Organization Man*, *Middletown*, and "Body Ritual among the Nacirema" are studies of, for 10 points, what country also home to anthropologists Franz Boas and Margaret Mead?**

ANSWER: United States of America (or U.S.A.) <Social Science>

12. **A movement that advocated for changes to this practice was started by William Lovett, who also founded the London Working Men's Association. The Newport Rising supported that movement, which was termed Chartism. The (*) Reform Act 1832 transformed this practice by removing "rotten boroughs," where very few people lived. At the 1913 Epsom Derby, King George V's horse killed Emily Davison, who advocated for the ability to participate in this practice. Suffragettes advocated for the expansion of, for 10 points, what practice?**

ANSWER: Voting (accept answers related to voting or elections; accept representation or suffrage before mention) <European History>

13. **This religion's idea that there are no permanent or unchanging souls is known as anatman, while objects without souls are not independent according to sunyata. In some branches of this religion, the Bardo is a type of purgatory where souls go before (*) reincarnation, in a cycle known as samsara. Nirodha is the renouncement of desire required in this religion, in which the last of the Four Noble Truths states that the Eightfold Path must be followed to end suffering and achieve Nirvana. For 10 points, name this Asian religion founded by a man who achieved enlightenment while sitting under a Bodhi tree.**

ANSWER: Buddhism (accept Mahayana Buddhism, Theravada Buddhism, Zen Buddhism, or Tibetan Buddhism; other specific types also acceptable) <Religion>

14. **Space can be sacrificed in exchange for speed by “unrolling” these constructs. The implementation of one of these constructs requires a declaration, a conditional statement, and an incrementation. N^2 [N-squared] runtimes are commonly created through (*) “nested” instances of these structures, which can be interrupted by break statements. “While” instances of these structures are typically used when the number of iterations is uncertain, as opposed to their “for” type. For 10 points, name these sequences of instructions repeated several times in a program.**

ANSWER: loops (accept for loops before mention) <Math/Other Science>

15. **After speaking to his school's headmaster about a country's lack of Jews, one character in this novel remarks that “history is a nightmare from which I am trying to awake.” In this novel, a biscuit is thrown at that character by The Citizen during an argument at Barney Kiernan's pub, and that character later watches a girl with a bad leg while at the (*) Sandymount Strand. This novel ends with one character remembering responding to a proposal with “yes I said yes I will yes,” and it begins with a meeting between Buck Mulligan and Stephen Daedalus. For 10 points, name this novel about a day in the life of Leopold Bloom, a work by James Joyce.**

ANSWER: Ulysses <World/Misc. Literature>

16. **The lupophon was invented after this composer wrote a part that calls for the heckelphone to play below its possible range. A descending A major scale is played to represent sunrise and an offstage brass section mimics a hunting party in a tone poem by this composer. “Wandering By the Brook” and “Entry Into the Forest” are sections of his *An (*) Alpine Symphony*, while another of his tone poems uses the contrasting keys of B major and C major to represent humanity and the universe. The opening fanfare of that piece by this composer includes the “C-G-C” dawn motif later used in *2001: A Space Odyssey*. For 10 points, name this composer of *Also Sprach Zarathustra*.**

ANSWER: Richard Strauss (prompt on Strauss) <Auditory Fine Arts>

17. **In this state, the Rum Riot led to the repeal of a prohibition law supported by Neal Dow, the mayor of its most populous city. After the Battle of Caribou in this state, Governor John Fairfield sent four regiments of militia to resolve a border dispute. Supporters of a “Half-Breed” Presidential candidate from this state mocked his opponent with (*) “Ma, ma, where's my pa?” while that candidate was called a “continental liar” from this state. James Blaine is from this state, which resolved the Aroostook War with New Brunswick. For 10 points, name this state admitted into the Union in 1820 as part of the Missouri Compromise, earlier part of Massachusetts.**

ANSWER: Maine <American History>

18. **The equation that primarily governs these objects is applicable to all materials for a range below their yield strength. The displacement of one of these objects can be graphed as the mass times the second derivative of displacement with respect to time, divided by the negative of their namesake (*) constant. The frequency of these objects is equal to [read slowly] 1 divided by 2 pi all times the square root of that namesake constant divided by mass. These harmonic oscillators exert a force proportional to their displacement according to Hooke's law. For 10 points, name these objects that store mechanical energy when compressed.**

ANSWER: springs (prompt on simple harmonic oscillator before mention) <Physics>

19. In one novel by this author, a detective hears a confession in the apartment next door; that detective commits suicide after he is shot at by a woman he is pursuing. In another novel by this author, one character tells the story of Jesus (*) returning to earth and kissing the Inquisitor, and in another novel, the story of raising Lazarus from the dead is told by Sonya. Alexei, Ivan, and Dmitri are the three title characters of this author's *The Brothers Karamazov*. In another of his novels, the pawnbroker Alyona is murdered by Raskolnikov. For 10 points, name this author of *Crime and Punishment*.

ANSWER: Fyodor Dostoyevsky <European Literature>

20. A 50-foot-tall steel sculpture in this city of what is believed to be either a woman, an Afghan Hound, or a baboon was designed by Pablo Picasso. In this city's Crown Fountain, two towers facing each other on opposite sides of a pool display changing faces that have water squirt out of their mouths. A set of red arches forms Alexander Calder's (*) *Flamingo* sculpture in this city's Federal Plaza, while a 66-foot long steel sculpture designed by Anish Kapoor for a park in this city is titled *Cloud Gate*. For 10 points, name this city whose Millenium Park includes "the Bean."

ANSWER: Chicago <Visual Fine Arts>