

2021 AQBL February
Packet 6

1. **In the first stage of the RAAS [ras], renin cleaves a protein secreted by this organ; that protein is angiotensinogen. This organ contains the highest proportion of catalase in mammals. Around 75% of this organ’s blood flow comes through the portal vein. The mononuclear phagocyte system is partly composed of monocytes, macrophages, and the (*) Kupffer [koop-fer] cells of this organ. Hepatitis is defined as the inflammation of this organ’s tissue. The inability of this organ to break down bilirubin causes jaundice. For 10 points, name this organ that secretes bile and may suffer from cirrhosis.**
ANSWER: liver <CS, Biology>

2. **A sculpture by this artist is illuminated by a hidden window in the Cornaro Chapel and positioned in front of gilded poles descending from the ceiling. The Galleria Borghese includes this artist’s depiction of a scene from Ovid’s *Metamorphoses*, in which the title nymph turns into a tree as she is chased by Apollo. This artist depicted an angel thrusting a golden spear at the titular swooning (*) nun in *The Ecstasy of Saint Teresa*. Another work by this artist includes gods representing the Ganges, Danube, Río de la Plata, and Nile surrounding an obelisk in the Piazza Navona. For 10 points, name this Italian Baroque sculptor of the *Fountain of the Four Rivers*.**
ANSWER: Gianlorenzo Bernini <MB, Visual Fine Arts>

3. **In one story set in this city, a child on North Richmond Street awkwardly meets Mangan’s sister and is disappointed by his visit to the title bazaar. In a novella set in this city, the song “The Lass of Aughrim” reminds Gretta of Michael Furey, surprising a character who watches snow falling on this city after a Christmas party. In a novel set in this city of (*) “Araby” and “The Dead,” one character recalls responding to a proposal with “yes I said yes I will yes,” part of the chapter “Penelope.” That novel focuses on one day of Leopold Bloom’s life in this city. For 10 points, name this city, the setting of James Joyce’s *Ulysses*.**
ANSWER: Dublin <MB, British Literature>

4. **This person has titled two cookbooks titled *Cravings*. On Inauguration Day, this person was the only non-White House account followed by @POTUS [at Poh-tiss], after tagging Joe Biden to ask for a follow. In a Tweet about criminal justice reform President Trump called this woman “filthy-mouthed,” and her husband a “boring musician.” With (*) LL Cool J, this woman co-hosts *Lip Sync Battle*, and her wedding is featured in the music video for “All of Me.” For 10 points, name this swimsuit model who is married to John Legend.**
ANSWER: Chrissy Teigen <MB, Pop Culture>

5. **The national emblem of this country is a soapstone bird based on those found in an ancient city composed of the Valley Complex, Hill Complex, and Great Enclosure, known for its 10-meter-high walls. The Butua Kingdom and an ancient city established by the Shona were based in this modern-day country, where Ian Smith’s government fought the Bush War as the Republic of (*) Rhodesia. Under the leadership of Robert Mugabe, this country suffered a severe hyperinflation crisis. For 10 points, name this African country with capital Harare.**
ANSWER: Republic of Zimbabwe <MB, World History>

6. **Hitch and Baddeley devised a model of this process that includes a “phonological loop” and a “visuo-spatial sketchpad.” The three-staged variety of this process was devised by Atkinson and Schiffrin. The Ebbinghaus Curve models the decay of this phenomenon, which was hypothesized to have a limit at the “magic number” of seven. The (*) “flashbulb” variety of this phenomenon occurs after something consequential occurs, while it’s process is inhibited by amnesia. For 10 points, name this faculty that allows one to store and recall information.**
ANSWER: memory <AK, Social Science>
7. **Josep Maria Jujol and a collaborator designed benches for a public space in this city that use tiled mosaics called trencadís, including one depicting a salamander. Modernist houses named for the Batlló and Milà families are located in this city. An architect planned a building in this city that will have Nativity, Passion, and Glory Facades and 18 (*) spires. That building in this city has been under construction for more than 130 years. Both the Parc Guell and the basilica Sagrada Familia in this city were designed by Antoni Gaudí. For 10 points, name this most populous city in the Spanish region of Catalonia.**
ANSWER: Barcelona <WZ, Other Fine Arts>
8. **This author wrote a poem addressing a figure who “came, adent and adored / to make your bed and your domain / of my humiliated mind.” That poem by this author describes “poison” saying “you do not deserve to be freed / from your accursed slavery,” and a person who “like the stab of a knife / entered my (*) plaintive heart.” In another poem, this author described “one more ugly, more wicked, more filthy,” saying “he is Ennui” [on-we]” before concluding with “Hypocrite reader, my twin, my brother!” For 10 points, name this poet who included “The Vampire” and “To the Reader” in *The Flowers of Evil*.**
ANSWER: Charles Pierre Baudelaire <MB, European Literature>
9. **Operation Uphold Democracy reversed a coup in Haiti whose leaders had previously been funded by this organization. In 1975, the Church Commission revealed that this organization spent several million dollars on campaign ads against Salvador Allende’s 1964 Presidential campaign, though that year this organization began funding right-wing terrorism in Operation Condor. The United (*) Fruit Company worked with this organization to remove Jacobo Arbenz from power in Guatemala. American support for crackdowns on left-wing groups in Latin America was led by, for 10 points, what U.S. intelligence agency?**
ANSWER: C.I.A. (or U.S. Central Intelligence Agency) <MB, Other History>
10. **They’re not cathode rays, but these substances were first identified in Crookes tubes. One theory of these substances aims to mitigate the effects of Landau damping within them; that theory is magnetohydrodynamics. An apparatus to measure the temperature of these substances is named after their discoverer, Irving (*) Langmuir. These substances typically do not contain strong electric fields in their rest frames due to Debye shielding. Lightning and auroras are examples of these substances. For 10 points, identify these ionized gases that are often referred to as the “fourth state of matter.”**
ANSWER: plasmas [prompt on fluids] <DS, Physics>
11. **A supporter of this cause gave a courtroom speech stating “I shall never pay a dollar of your unjust penalty.” This cause is the first grievance listed in a 19th-century document beginning “when in the course of human events,” and was the subject of pickets in front of the White House by the Silent (*) Sentinels. Supporters of this right issued the Declaration of Sentiments at the Seneca Falls Convention, and it was first granted by Wyoming. For 10 points, name this cause advocated for by Elizabeth Cady Stanton and Susan B. Anthony, eventually accomplished with the 19th Amendment.**

ANSWER: **women's suffrage** (or **women's right to vote** or equivalents; prompt on right to vote or similar answers; prompt on women's rights or gender equality before "right") <MB, American History>

12. **A story by this author ends with the narrator exclaiming "Ah, humanity!" In that story by this author, the title character starves to death after he is detained in The Tombs in Manhattan, and had earlier worked at a dead-letter office. Nippers and Turkey work with a character who repeats "I would (*) prefer not to" in a story by this author, who wrote a novel in which a doubloon is nailed to the mast of the *Pequod* for the first crewmember to sight the title creature, a prize claimed by Captain Ahab. For 10 points, name this author of "Bartleby, the Scrivener" and *Moby-Dick*.**

ANSWER: Herman **Melville** <MB, American Literature>

13. **This figure was suckled by a bear after he was left by a shepherd on Mount Ida. In the *Iliad*, this figure is rescued from a duel with Menelaus, refuses to fight hand-to-hand with Diomedes, and is eventually killed by Philoctetes. During the Trojan War, this man shoots Achilles in the (*) heel with a poisoned arrow, killing him. Earlier, this figure was appointed to resolve a squabble over a golden apple labeled "for the fairest;" this man chose Aphrodite in his namesake "judgement." For 10 points, name this son of Priam who started the Trojan War by eloping with Helen.**

ANSWER: **Paris** (accept **Alexander** or **Alexandros**) <MB, Mythology>

14. **A piece by this composer has a melody beginning with the ascending phrase "D, D, F#, A, A" followed by the high notes "A, A, F#, F#." This composer interrupted an upbeat dance with percussion representing the title stormy weather in his "Thunder and Lightning Polka." This composer called for a zither solo in a piece about the "Tales" of the woods surrounding his home city. A man is tricked into thinking he is being jailed in this composer's comedic operetta *Die* (*) *Fledermaus*, though this composer is better known for his works in a genre of ballroom dance from his home town of Vienna. For 10 points, name this composer and "Waltz King" who wrote On the Beautiful Blue Danube.**

ANSWER: Johann **Strauss, Jr.** [or Johann **Strauss II** or **Strauss the Younger**; prompt on Strauss] <ES, Auditory Fine Arts>

15. **The Batak people live on an island in this country also home to Lake Toba, formed by a supervolcanic eruption. This country's President Joko Widodo has proposed moving this country's capital to the province of East Kalimantan, which is across the Makassar Strait from the island of (*) Sulawesi. The Sunda Strait separates this country's two most-populous islands, one of which is west of the Strait of Malacca. The most populous Muslim-majority nation in the world is, for 10 points, what country with islands Sumatra and Java, and capital Jakarta?**

ANSWER: Republic of **Indonesia** <MB, Geography>

16. **The van't Hoff equation relates the equilibrium constant to temperature when this value is given. In the Joule-Thomson process, this quantity of the system stays the same; such a process is called a throttling process. For processes in which the product of temperature and entropy is less than this property, Gibbs free energy is always positive. To find this property for a chemical reaction through summation, (*) Hess's law takes advantage of the fact that this property is a state function. For 10 points, name this property that is defined as the product of the pressure and volume of a system added to its internal energy.**

ANSWER: **enthalpy** <CS, Chemistry>

17. **In this country, foreign goods could be purchased at the Intershop, though its currency wasn't accepted there. A company from this country manufactured the "spark plug with a roof," the Trabant automobile. A leader of this country promoted "consumer socialism" and maintained the "order to fire" on its border despite supporting closer relations with a neighbor. Walter Ulbricht and Erich Honecker led this country, where the (*) Stasi secret police quelled dissent. In 1979, eight people escaped this country in a hot air balloon, while Peter Fetcher was killed trying to cross a barrier in its capital. For 10 points, name this country that, in 1990, reunified with its western neighbor.**
ANSWER: East Germany (or German Democratic Republic or GDR or Deutsche Demokratische Republik or DDR) <MB, European History>
18. **In a novel by this author, the protagonist has sex with a girl who drops out of college to go to a mental hospital in the mountains. In that novel by this author, the protagonist is the college roommate of a geography major nicknamed "storm trooper." Characters in another novel by this author include Colonel Sanders, who helps a character search for an "entrance stone," and Johnny (*) Walker, who attempts to create a flute out of cat souls. A sky with two moons lies above an alternate Tokyo in *IQ84*, a novel by, for 10 points, what author of *Norwegian Wood* and *Kafka on the Shore*?**
ANSWER: Haruki Murakami <MB, World Literature>
19. **It's not Lent, but *Gaudete Sunday* interrupts a fast in the period before this holiday. Verses from Chapter 9 of the Book of Isaiah describing a "prince of peace" are traditionally read in a service preceding this holiday. Like Lent, the liturgical color used for vestments is changed to purple for this holiday. (*) Candles symbolizing hope, peace, joy, and love are often lit on the Sundays preceding this holiday, a period called Advent. For 10 points, name this Christian holiday whose twelve nights end on the Feast of the Epiphany, which commemorates the Magi's visit to the baby Jesus.**
ANSWER: Christmas (accept Christmas Eve or Christmastide) <MB, Religion>
20. **One constant named for this scientist was first estimated by Allan Sandage and is equal to the time derivative of the scale factor divided by the scale factor. That constant is multiplied by proper distance to yield recessional velocity in a law named for this scientist and Georges Lemaître. Albert Einstein abandoned his notion of a (*) cosmological constant after this astronomer confirmed the existence of an expanding universe. A device named for this man captured photographs of his namesake Deep Field. For 10 points, name this American astronomer whose namesake space telescope was launched in 1990.**
ANSWER: Edwin Powell Hubble <DS, Astronomy>

Tiebreaker/Extra Question

This author noted that "One luminary clock against the sky / Proclaimed the time was neither wrong nor right" in his poem "Acquainted With the Night." In another poem by this author, a boy who is "too far from town to learn baseball" is imagined swinging from the title objects. This author's collection (*) *North of Boston* included a poem in which a man who fixes a stone wall is told "good fences make good neighbors." In this author's most famous poem, a character says that it "has made all the difference" after coming across "two roads diverged in a wood". For 10 points, name this American poet of "Birches", "Mending Wall", and "The Road Not Taken".
ANSWER: Robert Frost <ES, Tiebreakers>