

## Round 3

Brad Fischer • James Fischer • Alec Krueger • Kristin Strey • Tyler Vaughan

### Tossups

(1) **Specialized forms of these structures, such as protective spathes, are collectively called bracts. These structures contain palisade- and spongy-mesophyll cells, and sessile ones lack a petiole. These structures are protected by a (\*) waxy cuticle, and control their gas exchange through gaps in their epidermis called stomata. These structures are periodically lost in abscission by deciduous plants. For ten points, photosynthesis occurs in what plant structures, which are often wide, flat, and green?**

ANSWER: leaf (accept leaves)

(2) **This period was legally enforced by the Volstead Act, which was drafted by Wayne Wheeler. Companies during this period warned customers not to leave bricks of dehydrated (\*) grapes in a “cool cupboard for twenty-one days.” This period was ushered in by the eighteenth amendment, which was repealed just fourteen years later by the twenty-first amendment. For ten points, name this period in American history in which the consumption of alcohol was illegal.**

ANSWER: Prohibition (prompt on descriptions of “banning alcohol” or “banning drinking” before “alcohol” is read)

(3) **After replacing Drew Bledsoe, this player overcame a controversial 2002 Tuck Rule judgement in an AFC playoff game, and went on to beat the Rams and become the then-youngest Super Bowl-winning quarterback; he beat the Rams again in (\*) 2018 to become the oldest Super Bowl-winning quarterback. This player served a four-game suspension at the beginning of the 2016 season for “Deflategate.” For ten points, name this aging quarterback who moved to Tampa Bay in 2020 after a twenty-year stint with the Patriots.**

ANSWER: Tom Brady (accept Thomas Edward Patrick Brady Jr)

(4) **A gap that provides a view of the center of one of these astronomical objects is called Baade’s Window. One of these objects, named Triangulum, is visible from the Orion Arm of another of these objects. The nearest of these objects has a (\*) barred-spiral shape, and will eventually collide with an object of this type that contains the Earth. For ten points, name these astronomical objects exemplified by Andromeda and the one that contains our solar system, the Milky Way.**

ANSWER: galaxy (accept galaxies; do not accept or prompt on “solar system”)

(5) **This country is the birthplace of an author who wrote about Leonardo Felix, who battles the Groom, and about the five daughters of the title woman in the plays *Blood Wedding* and *The House of (\*) Bernarda Alba*.** In a novel set in this country, the title hidalgo goes on adventures with Sancho Panza and tilts at windmills, thinking they're giants. For ten points, name this European country, home to Federico García Lorca and Miguel de Cervantes, who wrote *Don Quixote* [don kee-hoh-tay].

ANSWER: Spain (accept Kingdom of Spain; accept Reino de España)

(6) **While in the castle of Skrímir, this deity wrestled with Elli, an elderly woman who represents old age, and failed to empty a bottomless drinking horn. This deity was unable to lift more than one paw of a (\*) cat that was actually a monster destined to kill this god at Ragnarök.** With Hymir, this god fished for the serpent Jörmungandr [YOHR-mun-gon-dur], and dressed as a goddess while on a quest to retrieve stolen goods with Loki. For ten points, name this son of Odin and wielder of Mjólnir [mee-YOL-neer], the Norse god of thunder.

ANSWER: Thor (accept Donar)

(7) **During an event in this country, Tommie Smith and John Carlos were criticized for performing a Black Power salute. Ten days before this country hosted the 1968 Olympics, its military carried out the (\*) Tlateloco massacre.** Students at this country's Universidad La Salle contributed to a list of demands presented to Gustavo Diaz Ordaz urging the resignation of the PRI government. For ten points, name this country, the southern neighbor of the United States.

ANSWER: Mexico (accept United Mexican States; accept Estados Unidos Mexicanos)

(8) **If one of these mathematical objects is invertible, it is called a bijection. Whether these objects are “onto” can be determined by the horizontal line test, and the (\*) vertical line test can tell whether a relation is one of these.** The domain and range of these objects are often taught using the metaphor of a machine in which every input has only one output. For ten points, name this type of mathematical relationship commonly notated “f of x.”

ANSWER: functions

(9) **This figure is characterized in poems that say it “sets a Thing significant,” and “leaves Us homesick.” People who have encountered this figure are “safe in their Alabaster Chambers” in one poem. In another poem, the speaker stops with this figure “before a House that seemed / a (\*) Swelling of the Ground” while this figure drives a carriage that also holds Immortality.** For ten points, name this concept that “kindly stopped for me” in Emily Dickinson's poem “Because I could not stop for” this.

ANSWER: Death (accept Because I could not stop for Death; accept Death leaves Us homesick; accept Death sets a Thing significant; accept Death is like the insect)

(10) **This musical work opens with the “Troparion of the Holy Cross” played by violas and cellos. Peasants are represented in this work by the folk song “U Vorot, Vorot” and the hymn “O Lord, Save Thy People,” which is drowned out by (\*) bells.** At the end of this musical work, “God Save the Tzar” rises as cannons punctuate “La Marseillaise” [lah mar-sah-YEZ], representing the defeat of the French army. For ten points, name this Tchaikovsky overture that musically describes the year Napoleon tried to invade Russia.

ANSWER: The 1812 Overture (accept The Year 1812 Solemn Overture)

(11) **The Pangani River originates on this mountain as the River Lumi. This mountain's highest peak was named Kaiser Wilhelm Peak by Hans Meyer, who climbed it in 1889, and is separated by the Saddle Plateau from one of this mountain's extinct cones, (\*) Mawenzi. This mountain's dormant cone, Kibo, contains its highest peak, which is named Uhuru in Swahili. For ten points, name this Tanzanian volcano, the tallest mountain in Africa.**

ANSWER: Mount Kilimanjaro (accept Mawenzi until "Kaiser" is read)

(12) **In this novel, a resident of Longbourn is disappointed when his wife praises the residents of Netherfield Hall after a ball where this novel's protagonist overhears her future husband calling her "not handsome enough to tempt" him. In this novel, Mr (\*) Bingley introduces "a single man in possession of a good fortune" to the five Bennet sisters. Elizabeth and Fitzwilliam Darcy overcome their first impressions of each other and get married in, for ten points, what novel by Jane Austen?**

ANSWER: Pride and Prejudice

(13) **A congress named for this legislation created a Declaration of Rights and Grievances which was blocked from discussion in the House of Lords by the second Earl Dartmouth. After the repeal of this legislation, parliament passed the Declaratory Act to reassert their authority. This (\*) tax was intended to help pay for the French and Indian War by creating revenue from goods such as playing cards. For ten points, name this unpopular 1765 act that taxed most paper products in the American colonies.**

ANSWER: Stamp Act of 1765

(14) **In the late 2010s, this unit was reformulated by the Avogadro Project using a silicon sphere. This unit replaced the Convention nationale's "grave." A 2019 re-formulation of this unit uses a Kibble balance to define this unit in terms of (\*) Planck's constant. This unit was formerly defined by a platinum-iridium International Prototype of this measure, and was originally defined by the measure of a liter of water. For ten points, name the SI [S-I] unit of mass, equal to one thousand grams.**

ANSWER: kilogram (accept kg; prompt on "kilo;" do not accept or prompt on "gram")

(15) **In the Maryam Surah, Abraham promises his father that he will perform this action on his behalf. The Quran discourages performing this action on behalf of nonbelievers or while drunk. The "Zuhr" one of these actions is replaced by a (\*) congregational one on Fridays, when this action is led by an imam. This action is one of the Five Pillars of Islam, and is called Salat in Arabic. For ten points, name this religious action that should be performed five times daily by Muslims, the act of communicating with Allah.**

ANSWER: prayer (accept word forms like praying; accept Salah or Salat before "Salat" is read; prompt on descriptions like "talking to (a) god" or "talking to Allah")

(16) **This thinker divided *aitia* into four parts: efficient, material, formal, and final, and argued that one cannot have knowledge of something without understanding those four causes. This author of the (\*) *Nico-mach-ean Ethics* and founder of the Lyceum rejected the theory of forms proposed by his teacher, who had been taught by Socrates. For ten points, name this ancient Greek philosopher, a student of Plato.**

ANSWER: Aristotle

(17) **Shortly after arriving at Dyea on the *Narwhal* in this novel, Curly is torn apart while trying to make friends. After being kidnapped from Judge Miller in this novel, the protagonist works for Perrault alongside the cruel (\*) Spitz. This novel's protagonist fails to defend John Thornton from a Yeehat attack, and runs away to become known in the Yukon as a "Ghost Dog."** For ten points, name this Jack London novel in which Buck answers the title summons by joining an Alaskan wolf pack.

ANSWER: The Call of the Wild

(18) **Near the center of this painting, an extremely tall church spire, a tree, and the light rising over rolling hills frame the planet Venus. The bottom of this painting shows a village in Saint-Rémy de Provence [sawn ray-MEE duh proh-VONS], where its creator had checked himself into a (\*) mental institution.** The foreground of this painting is dominated by a tall, thin cypress tree, and its right side contains an enormous crescent moon. For ten points, name this painting by Vincent Van Gogh that shows swirling balls of light in a dark sky.

ANSWER: The Starry Night (accept De Sterrennacht)

(19) **In the prelude to this event, Nedeljko Cabrinovic [nah-dayl-koh kah-brih-noh-vich] took a cyanide pill and tried to drown himself in the Miljacka River, but only succeeded in vomiting while sitting in five inches of water. This event's target begged his wife, (\*) Sophie, to stay alive for their children.** Leopold Lojka [loy-kah] accidentally took a wrong turn before this event, which allowed a man sitting outside a deli to shoot an Austrian Archduke. Gavrilo Princip carried out, for ten points, what assassination in Sarajevo that sparked World War I?

ANSWER: assassination of Archduke Franz Ferdinand (accept descriptions like the murder of Archduke Franz Ferdinand; prompt on "Franz Ferdinand" alone before "assassination" is read; accept Franz Ferdinand after "assassination" is read; prompt on descriptions like "a murder that sparked World War I" or "a murder carried out by Gavrilo Princip")

(20) **The Faraday-Tyndall effect was first observed in a colloid of this element. The MacArthur-Forrest process uses cyanide to mine this element since it does not dissolve in most acids, although (\*) nitric and hydrochloric acids combine to form aqua regia, which is named for its ability to dissolve this element.** This element's extreme malleability allowed Rutherford to use it in an experiment as a thin foil. For ten points, name this highly valuable, yellowish metal with chemical symbol Au [A-U].

ANSWER: gold (accept Au [A-U] before it is read)