

1. **These structures are divided by surface area and porosity into two major forms, cortical and cancellous. Skates and rays are classified as Chondrichthyes [“khan-DRICK-these”] because they lack these structures. In birds, these structures are pneumatized to assist with (*) flight. The malleus, incus, and stapes [“stayps”] are three of these structures involved in mammalian hearing. While human infants have around 270 of these structures, most adults have 206. For 10 points, osteocytes are the mature cells of what rigid organs that make up skeletons?**

Answer: **bone** [anti-prompt on bone marrow]

<Euan, Biology>

2. **In this city, remnants of the World’s Columbian Exposition such as Daniel Chester French’s Statue of *The Republic* are found in Jackson Park. It’s not London, but this city’s namesake university is found in its Hyde Park community area. This city’s (*) Museum Campus area contains the first planetarium in the United States and is adjacent to this city’s NFL Stadium, Soldier Field. The Lollapalooza music festival is held at Grant Park in, for ten points, what Illinois city that is also home to The Bean?**

Answer: **Chicago**

<Truman, Geography - American>

3. **This composer once described one of his own works as “loud and noisy” and “[without] artistic merit.” During one of this composer’s works, a Spanish dance and a Hungarian czardas [“shard-uhz”] are among several performances during a palace ball. That work by this composer ends with (*) Siegfried and Odette’s death at the title location. Another work by this composer about a foreign invasion famously uses actual cannons as percussion instruments. For 10 points, name this Russian composer of *Swan Lake* and *1812 Overture*.**

Answer: Pyotr Ilyich **Tchaikovsky**

<Hugo, Fine Arts - Auditory>

4. **After being deposed, a former governor of this state warned that its army could be easily overwhelmed by people from “colder climates.” “Rip” Ford led the 2nd Confederate Cavalry regiment at the Battle of Palmito Ranch in this state, generally considered the (*) final battle of the Civil War. The issuing of General Order No. 3, which enforced the Emancipation Proclamation in this state, is celebrated on Juneteenth. For ten points, what state joined the Confederacy against the wishes of Sam Houston?**

Answer: Texas

<Jayden, History - American>

5. **In a film by this director, the title character believes she was only waitlisted for an East Coast college as a terrorist attack led to fewer total applications. In a period film by this director, an author claims “marriage has always been an economic proposition, even in fiction” after being encouraged to marry (*) Jo to Bhaer or Laurie. After finding out horses aren’t involved, a character in this director’s newest film loses interest in patriarchy. For 10 points, name this record-breaking director of *Lady Bird*, *Little Women*, and *Barbie*.**

Answer: Greta Gerwig

<Ella, Film>

6. **A class of numbers with this property takes the form $2^p - 1$ [“two to the p minus one”] and is named for Mersenne. The Sieve of Eratosthenes is often used to identify numbers that have this property. The Fundamental Theorem of (*) Arithmetic states that every integer greater than one can be uniquely expressed as a product of numbers with this property. For example, the number 42 is expressed as the product $2 \times 3 \times 7$ using this type of factorization. For ten points, name this property of a natural number with no divisors other than itself and one.**

Answer: prime [or primality; accept relatively prime; accept Mersenne prime]

<Ryan, Math>

7. **This country mediated the Black Sea Grain Initiative to address a crisis caused by Russia’s invasion of Ukraine. This country was responsible for delaying Sweden's entry into NATO, citing the nation’s refusal to extradite members of the PKK. In February 2023, (*) earthquakes centered near this country’s city of Gaziantep [“gahz-YAWN-tep”] became the most deadly since 2010. This country's first-ever presidential runoff was won in May 2023 by the incumbent Recep Tayyip Erdoğan [“reh-jep tai-EEP AIR-dough-on”]. For 10 points, September 2023 flash floods ravaged what country’s capital of Istanbul?**

Answer: **Turkey**
<Ryan, World CE>

8. **These locations are said to grant practitioners of Shugendō spiritual power by connecting them with their god Fudō Myōō [“foo-DOUGH mee-OH-OH”]. One of these locations, which remains unexplored in full, draws annual pilgrimage from four different religions: Bon, (*) Jainism, Hinduism, and Buddhism. Vultures may consume the corpses of Tibetan Buddhists after the completion of a funerary practice at one of these locations, known as a Sky Burial. For 10 points, identify these often revered geographic features, one of which Moses summited to receive the 10 Commandments.**

Answer: **Mountains** [accept **mountaintop** or similar descriptions; accept specific mountains in Asia; prompt on **hills**]
<Richard - Religion>

9. **After making a promise to some of these animals, one character spends days chopping down a sycamore tree. Before moving to the city, Billy discovers a plant that can only be planted by an angel at the grave of two of these animals. Another of these animals gets his nickname from both the (*) human-like noise it makes and the color of its fur. That one of these animals is bitten by a rabid wolf and is put down by Travis. For 10 points, name this pet, examples of which include Little Ann and Old Dan in *Where the Red Fern Grows* and *Old Yeller*.**

Answer: **dogs** [accept **Redbone Coonhound** or **Yellow Cur**; accept scientific names if anyone is cringe and says that]
<Isaac, Other Lit>

10. In one of this character's first 3D appearances, his defeat phrase was changed from "Oh my God" to "D'oh, I missed" for the English release. *Twisted!*, *Touched!*, and *Smooth Moves* are part of a series of microgames titled for this character. Some of this character's taunts in (*) Super Smash Bros. Ultimate include laughing so hard his jaw unhinges and shaking his butt at the screen. An infamous SNL sketch centers on the murder trial of this character, as portrayed by Elon Musk. For 10 points, name this bulky archrival of Mario.

Answer: **Wario**

<Ali, Video Games>

11. An expedition sent by this man was defeated by Raden Wijaya ["RAH-den wee-JAI-uh"], who later became the first king of the Majapahit. This ruler was elected at a kurultai following the death of his brother Mongke. Upon reaching his highest position, this man relocated his capital to Xanadu. This ruler ordered two invasions of (*) Japan that were both thwarted by "divine winds". A military invasion led by this ruler effectively ended the Song Dynasty. For ten points, name this founder of the Yuan Dynasty and grandson of Genghis Khan.

Answer: **Kublai** Khan [Accept **Khubilai** Khan, **Kubla** Khan, Emperor **Shizu**, **Setsen** Khan, prompt on **Khan**]

<Truman, History - World>

12. These materials are the key component of SQUIDS ["squids"] that allow them to detect weak magnetic fields. MRI machines use these materials to generate strong magnetic fields due to their ability to sustain large amounts of electric current. These materials exhibit the Meissner effect, which appears differently in their (*) type I and type II varieties. LK-99 was a candidate for a theoretical type of this material. For 10 points, name these materials with zero resistance, which recently went viral after a room-temperature one was allegedly discovered.

Answer: **superconductors** [or **superconductivity**; accept room-temperature **superconductor**]

<Fish, Physics>

13. **In a work from this movement, the protagonist kisses Johnny Taylor after having a sexual awakening sitting under a pear tree. An author from this movement urges readers to do the title action “fighting back” rather than “like hogs” in his poem (*) “If We Must Die”.** In a work from this movement, sagging “like a heavy load” and shriveling “like a raisin in the sun” are answers to the question “What happens to a dream deferred?” For 10 points, Zora Neale Hurston, Claude McKay, and Langston Hughes were part of what literary revival centered in NYC?

Answer: Harlem Renaissance [accept New Negro Movement]
<Haylee, American Literature>

14. **In response to the Tampico Affair, this man ordered the Navy to occupy Veracruz, which in part led to Victoriano Huerta [“WHERE-ta”] fleeing Mexico. Pressure campaigns led by Alice Paul asking this president “How Long Must Women Wait?” enabled the passage of (*) the 19th Amendment.** This president won his re-election bid on the slogan “He kept us out of war,” only to declare war on the German Empire a month after his re-inauguration. For 10 points, name this President who led the United States through World War One.

Answer: Thomas Woodrow Wilson
<Truman - History - American>

15. **James McNeill Whistler depicted one of these natural features in both his *Nocturnes in Black and Gold* and *Blue and Gold*. A John Constable painting originally titled *Landscape: Noon* highlights one of these natural features in the East of England. *The Fighting (*) Temeraire* is seen traversing one of these features in England’s £20 banknote. Thomas Cole founded an artistic movement named for one of these natural features in New York. For 10 points, Emanuel Leutze depicted George Washington and the Continental Army crossing what sort of natural feature?**

Answer: rivers [accept any of the specific rivers mentioned: Stour, Thames, Hudson, or Delaware Rivers; accept stream]
<Lucas, VFA>

16. **A song from UPSAHL's ["UP-soll"] latest release is titled "GOOD GIRL" one of these things, but she sings that she is "over it fast". The beginning of the Panic! at the Disco song "Emperor's New Clothes" welcomes listeners to (*) "the end of" these things. The crowd's energy at an event named for these things caused the equivalent of a 2.3 magnitude earthquake at Seattle's Lumen Stadium, peaking at songs such as "Blank Space" and "Shake it Off". For 10 points, give this word which titles a wildly successful 2023 tour by Taylor Swift.**

Answer: Eras

<Haylee, Pop Culture: Music>

17. **An operating system process scheduler often uses this structure to select the next process to run. One implementation of this abstract data type involves maintaining pointers to the head and tail nodes of linked lists, which gives insertion and deletion operations a time complexity of $O(1)$ ["big-Oh of 1"]. While a stack can be used to implement (*) depth-first search, this data structure is used to implement breadth-first search. For 10 points, what data structure typically follows a first-in-first-out policy of inserting and removing elements?**

Answer: queue

<Anirudh/Gavin, CS>

18. **A town on this island between Ulverstone and Burnie is named for its colonies of little penguins but features a 10-foot penguin statue. Cradle Mountain-Lake St Clair National Park contains Mount Ossa, which is this island's highest point and a popular location for (*) bushwalking. "Britain's most hardened criminals" were often sent to the Port Arthur Penal Colony on this island. The Sydney to Hobart Yacht Race ends on this island. For 10 Points, the Bass Strait separates what island state from the Australian mainland?**

Answer: Tasmania [accept Tasman or Tassie]

<Gavin, Geography - World>

19. **An 1866 war between this kingdom and Austria led to the dissolution of the German Confederation of 1815. The First Partition of Poland was engineered primarily by the king of this country. A government minister from this kingdom once remarked that it “was not a country with an (*) army, but an army with a country.” Allied with Britain, this kingdom was led to victory in the Seven Years’ War by Frederick the Great. For 10 points, Otto von Bismarck was chancellor of what kingdom that spearheaded German unification?**

Answer: The Kingdom of **Prussia** [prompt on Germany or German Empire by asking “which kingdom was the forerunner to the unified German state?”, generously prompt on North German Confederation by asking “which kingdom was the de facto leader of the confederation?”, do not accept or prompt on anything else] <Hugo, European History>

20. **In an episode of this show, one character is advised to avoid the “M” and “S” words by Frank O’Sullivan to avoid suspension. A character on this show kicks off a 48-hour timer when he prematurely takes in Dustin Whitman. While searching for (*) Moo Moo, a character from this show is racially profiled by Maldack. Despite the advice of his superior on this show, that incident is still reported by Sgt. Terry Jeffords. For 10 points, identify this copaganda-heavy sitcom which shows the maturation of Detective Jake Peralta.**

Answer: ***Brooklyn Nine-Nine***
<Hugo, Television>

21. **In a Chinese origin myth, nine children of a goddess of this domain were shot down by the archer Hou Yi. In the *Kojiki*, a goddess of this domain who was born from Izanagi’s [emphasize] left eye is lured out (*) of a cave using a mirror. Across Polynesia, the demigod Maui is often credited with slowing the deity of this domain, whether by using his magic jawbone to subdue it or by lassoing it during its journey. For 10 points, deities of what domain, including Xihe [“she-HEY”] and Surya, are often depicted riding across the sky to create daytime?**

Answer: the **sun** [accept **Solar** deity or equivalents] [the unnamed goddess is Amaterasu]
<Ella, Myth>

22. **When explaining his rap alter ego, this man said the “story of Eminem spoke to [him]” since it proved the success of American capitalism. This man proposed arming every Taiwanese household to defend against China. This author of *Nation of Victims* and (*) *Woke Inc.* also created Roivant Sciences. At one event, Nikki Haley said this man has “no foreign policy experience and it shows,” while Chris Christie claimed he “sounds like ChatGPT.” For 10 points, name this Republican presidential candidate, an Indian-American biotech entrepreneur.**

Answer: Vivek Ramaswamy [accept either underlined]
<Isaac, Am CE>

23. **One of this author’s characters remarks the “sky had never seemed so sky” after escaping their captor by throwing a cat at her face. In a novel by this author, Laura is accidentally brought back from the dead using a coin won from a leprechaun by (*) Shadow Moon. This author’s tendency to wear sunglasses when it wasn’t sunny inspired Terry Pratchett to give the same quirk to Crowley in a jointly-written novel. For 10 points, identify this co-author of *Good Omens*, who also wrote *American Gods* and *Coraline*.**

Answer: Neil Gaiman
<Isaac, Brit Lit>

24. **Compounds with a cation consisting of hydrogen and this element are almost always soluble in water. Because this element’s 2p subshell is halfway filled, this element naturally occurs in a diamagnetic form. A compound containing hydrogen and this element is commercially produced in the (*) Haber-Bosch process. This is the second-lightest element that naturally occurs in its diatomic form. Along with oxygen and fluorine, this element often participates in hydrogen bonding. For 10 points, name this element found in ammonia with atomic number 7.**

Answer: nitrogen [accept N]
<Coby, Chemistry>

25. A suggestion by Noble Kizer inspired this type of play, which was popularized by members of Notre Dame's ["NOTER dayme"] Four Horsemen. A controversial penalty on Devin Taylor enabled the longest professional one of these plays, during which Jim Nantz asks "Does he have a vintage moment in him?". The (*) 2012 referee lockout was ended due to a "Fail" one of these plays allowing Seattle to defeat Green Bay. For 10 points, Roger Staubach explained the name of what type of desperation football play because "you throw it up and pray?"

Answer: **Hail Mary** pass [prompt on "fail Mary"]

<Isaac/Jayden, Sports>