

1. **This condition is caused by the G444R mutation at the end of exon 11 in Jacob sheep, which are often used to model it. The 1278insTATC mutation can cause this disease in Cajuns. This autosomal recessive disease, along with AB variant and Sandhoff disease, makes up a group of disorders known as the GM2 gangliosidoses and is caused by a mutation to the HEXA gene, which codes for a hexosaminidase lysosomal enzyme. Lipid buildup can occur with, for ten points, what disease characterized by a cherry-red spot in the retina, common in Ashkenazi Jews?**

Answer = Tay-Sachs Disease

2. **This island contains the Ahmad Yani Airport and Iswahyudi Air Force Base, as well as the Brantas, Citarum, and Solo rivers, and its namesake sea contains the Thousand Islands. This island contains the *pasisir* and *kejawén* cultural regions. This island's Parahyangan region contains the Gris, Ciamis, and Bandung regencies. A namesake "man", the first *Homo erectus* fossil, was found on this island. This is the world's most populous island, and it's located south of Borneo and Sumatra. For ten points, name this Indonesian island that contains Jakarta.**

Answer = Java

3. **This man and his cousin Henry the Lion led the Siege of Crema. This man gifted the believed relics of the Biblical Magi to Rainald of Dessel after taking them from the Basilica di Sant' Eustorgio. This husband of Beatrice of Burgundy hanged the scholar Arnold of Brescia. After allying with Richard I against Saladin, this man fought in one conflict. This man was opposed by the Lombard League and drowned while crossing the Saleph River during the Third Crusade. Pope Adrian IV crowned, for ten points, what red-bearded Holy Roman Emperor?**

Answer = Frederick Barbarossa (prompt on "Frederick" or "Barbarossa" alone, accept Frederick I, however)

4. **One of these places formerly called Asterios was secured with four pillars after a woman came to them disguised as a she-wolf, and after a complaint from Athena, Hermes traveled to one of them. Nala built many tents of gold for Rama's army after helping with the defeat of Ravana by building, with Hanuman's help, a sea bridge to one of them. While seducing Odysseus, Calypso was held prisoner at one of these places called Ogygia, and Leto gave birth on a floating one of them known as Delos. For ten points, name these isolated locations exemplified today by Sri Lanka.**

Answer = Island

5. **One man from this nation posited that the trickster of Native American mythology acts as a "mediator" and coined the term "floating signifier." Another man from this nation theorized that society develops from the theological,**

**metaphysical, and the positive stage. A man from this nation contrasted the engineer and the bricoleur in *The Savage Mind*, and it's home to the coiner of the terms "altruism" and "sociology." Anomic and egoistic forms of suicide were formed by a social scientist from, for ten points, what home nation of Émile Durkheim?**

Answer = France

- 6. This poet stated that he's become "an old tale amongst all these people" so that "shame is the fruit of my vanities" in one work, and another work by him begins on a spring day in Valchiusa as a man dreams that Love has passed by in a chariot. In another work by this poet, who's believed to have coined the term "Dark Ages", he addressed "You who hear the scattered rhymes" to his lover. This author of *Triumphs* and the namesake of a form of sonnet, as well as the author of *Il Canzoniere*, for ten points, name this Italian poet who dedicated many works to Laura.**

Answer = Petrarch

- 7. This group contains a mineral that contains the *bogild* miscibility gap, exhibits a namesake optical effect, and includes spectrolite. Andesine is also part of this group, whose "barium" type includes celsian and hyalophane. Moonstone is mostly comprised of a mineral from this group, which makes up the continuous branch of Bowen's reaction series. This group makes up granite with mica and quartz, and anorthosite is made up of its plagioclase variety. Orthoclase is a type of, for ten points, what group of aluminum silicate minerals, the most abundant in Earth's crust?**

Answer = Feldspars (Accept any specific kind of feldspars, and any "word" before "feldspar" such that a specific variety of feldspar is indicated)

- 8. In one work by this artist, a blonde child tips a bowl with a spoon to get a last morsel of food. This artist of *Le Gourmet* painted a joker-like figure in red holding a sword in front of unusually large flowers in a white container in *Acrobat and Young Harlequin*. The painting *La Vie* was inspired by the suicide of Carlos Casagemas, this man's close friend, in 1901. This painter of *Family of Saltimbanques* used African masks to depict nude prostitutes in Barcelona in another painting. For ten points, name this Spanish artist of *Les Demoiselles d'Avignon*.**

Answer = Pablo Picasso

- 9. In one work by this author, the Sheikh agrees to return Sir Howard if he is given Lady Cicely in return. Another work by this author begins with a conversation featuring Redpenny and sees Louis Dubedat tasked with proving to Sir Colenso Ridgeon that he is worthy of being saved. The *Devil's Disciple* and *The Doctor's Dilemma* are by this author, who wrote about Ann Whitefield in a work based on a *Don Juan* theme. Covent Garden is the setting of a work featuring Dr. Henry Higgins in another work by, for ten points, what Irish playwright of *Man and Superman*?**

Answer = George Bernard Shaw

**10. In this work's "In Spring" section, a choir sings of "Cupid's prize" and "Venus' command" as part of the aria "Ecce gratum." In this work, a roasting swan sings of its suffering in the falsetto aria *Olim lacus colueram*. This 1936 work was published along with a *Catulli* piece and a *di Afrodite* piece as part of the triptych *Trionfi*. This work contains *Cour d'amours* and a complaint to the Roman goddess of fortune. It was based on a set of 24 medieval poems. A certain "Imperatrix Mundi" section is part of, for ten points, what Carl Orff cantata that contains "O Fortuna?"**

Answer = *Carmina Burana*

**11. One variant of this process performed on an alkali chloride solution to produce an alkali hydroxide is the Castner-Kellner process. Mass is related to Q times molar mass over F times z in Faraday's law for this process. Paul de Boisbaudran used this process to discover gallium, and it can be used with cryolite to smelt aluminum during the Hall-Héroult process. This process is used to drive non-spontaneous chemical reactions. For ten points, name this process by which a direct electric current may be used to "decompose" water into hydrogen and oxygen.**

Answer = Electrolysis (prompt on Electrochemical Reaction)

**12. In this film, a mob boss played by Michael Jai White slams a table and exclaims "You think you can steal from us?", to which a character replies "Yeah..."; that mob boss is Gambol. In this film, that character is found using a sonar device that spies on the whole city, much to the chagrin of Lucius Fox. D.A. Harvey Dent uses a coin to make decisions after turning into Two-Face in this movie. The second of a Christopher Nolan trilogy, for ten points, name this film after which Heath Ledger won a posthumous Oscar for playing the Joker, titled for a "caped crusader."**

Answer = Batman: *The Dark Knight* (prompt on "Batman" alone, don't accept or prompt on "Batman Begins" or "The Dark Knight Rises")

**13. A concept named for this man stating that people can only gain private property from nature when there is enough left for others had its phrase coined by Robert Nozick's book *Anarchy, State, and Utopia* and is known as this man's namesake "proviso." This thinker coined the term "sortal" in a work discussing the mind at birth; in that work, this founder of Liberalism introduced the idea of a "blank slate", later called a *tabula rasa*. For ten points, name this British thinker who wrote *Two Treatises of Government* and *An Essay Concerning Human Understanding*.**

Answer = John Locke

**14. One player of this instrument included "Pfrancing" in *Someday My Prince Will Come* and shared rights to the song E.S.P. with Wayne Shorter. Another player**

**of this instrument founded the record label Dee Gee Records, and included “The Eternal Triangle” on “Sonny Side Up.” A 1967 song containing the lines “I see trees of green, red roses too / I see them bloom for me and you”, as well as “A Night in Tunisia” were recorded by players of this instrument. “What a Wonderful World” was composed by Louis Armstrong, a player of, for ten points, what brass instrument?**

Answer = Trumpet (accept any specific varieties such as Bent Trumpet)

**15. Pope Pius IX sent this man a portrait inscribed with a verse from Matthew 11:28. This man, who commanded a regiment that became known as the “Mississippi Rifles and married Zachary Taylor’s daughter, was carried by Robert H. Chilton after being shot at the Battle of Buena Vista. Franklin Pierce’s Secretary of War was this man, whose Vice President was Alexander H. Stephens. This man employed Robert E. Lee as Commander-in-Chief during an 1861-1865 conflict in another role. For ten points, name this first and last President of the Confederacy.**

Answer = Jefferson Davis

**16. This polity attacked its predecessor during the Siege of Jinji. This polity saw the first use of cylindrical rockets called *bans*, and its officers were given 33 grades, ranging from 10 to 5,000 - those officers were called Mansabdars. The *zabt* system was introduced in this empire, where the celestial globe was invented. The Marathas preceded this empire, whose founder defeated Ibrahim Lodi at the First Battle of Panipat. This empire was dissolved following the 1857 Sepoy Mutiny. For ten points, name this empire that controlled India from the 1500s to the 1800s.**

Answer = Mughal Empire (accept Gurkani Empire or Mogul Empire)

**17. In one novel from this country, fifteen adolescents who find their village riddled with the plague are joined by a Korean deserter who teaches them to hunt birds, and in another novel from this country, a character resolves “I will live” after buying arsenic from a shop and lighting bales of hay on fire. The 1958 novel *Nip the Buds, Shoot the Kids* is from this nation which is home to a novel in which the line “When you meet the Buddha, kill the Buddha” is crucially remembered by Mizoguchi. For ten points, what is this home nation of Yukio Mishima?**

Answer = Japan

**18. This quantity is predicted by the Girolami method, and the mass attenuation coefficient is equal to the attenuation coefficient divided by this quantity. Total electron content is calculated by integrating the “columnar number” type of this quantity over a straight path. This scalar quantity, which remains constant in an incompressible fluid, has “orthobaric” and “paper” varieties. This quantity is equal to molar mass times pressure divided by RT for an ideal gas, and is usually symbolized “rho.” For ten points, name this physical quantity equal to mass divided by volume.**

Answer = Density (accept “Rho” before said)

- 19. In this work, a character carries a “big black valise that looked like the head of a hippopotamus” and remarks that the “Tennessee Waltz” always makes her want to dance. In this work, a felon tells that character that he’s been married twice, an undertaker, in a tornado, and worked as a gospel singer; that felon, as well as Bobby Lee and Hiram, rob a family who had previously stopped at Red Sammy’s Restaurant and who include June Star, John Wesley, and Bailey. The Grandmother pleads with the Misfit in, for ten points, what short story by Flannery O’Connor?**

Answer = “A Good Man is Hard to Find”

- 20. One man who served in this role set up the first National Institute for Houseworkers in his country; that man was opposed by the *Keep Left* pamphlet and set up the Cripps Mission. The Carlton Club meeting was organized after another man in this position dealt poorly with the Chanak Crisis. The Sudetenland was ceded in 1938 by another holder of this position who called for “peace in our time.” The holder of this position lives at 11 Downing Street. Clement Attlee held, for ten points, what position also held by Winston Churchill?**

Answer = Prime Minister of the United Kingdom (accept Prime Minister of Great Britain, accept Prime Minister of England)

Tiebreaker

- 1. In this novel, the protagonist repeats “I am, I am, I am” after listening to the “old brag of her heart”; that protagonist has a friend named Joan who always made her “feel squirmy” and goes on a date with Constantin. Betsy, as a “good” Kansas girl in this work, is a role model for that woman, who’s assisted by Philomena Guinea, a benefactress in this work. This work’s protagonist works for Jay Cee, is given electroshock treatments by Dr. Nolan, and thinks heavily about the Rosenbergs. For ten points, name this novel about Esther Greenwood, by Sylvia Plath.**

Answer = *The Bell Jar*