

Quarterfinals  
Toss-Ups

1. Named for a French pediatrician, this inherited disease affects the connective tissue in the body, causing the arms and legs to abnormally long and flexible. Affected people tend to be very tall and thin. FTP, name this disease Abraham Lincoln is suspected to have suffered from.  
A: **Marfan's Syndrome**
2. Its highest point is Mt. Carelton in the north. Its main tourist attraction is Fundy National Park in the south. The Webster-Ashburton Treaty settled its boundary dispute with the United States over the Aroostook Valley. FTP, name this maritime province with capital Fredericton.  
A: **New Brunswick**
3. His name, which means "bullheaded" was given to him due to his unusually small ears and large head, not because he was stubborn or difficult to ride. FTP, name this famous Macedonian steed of Alexander the Great.  
A: **Bucephalus**
4. Imported from the Basque region of Spain, it involves using a pelota, a frontis, and a cesta. Popular mainly in Florida, it is considered one of the fastest sports in the world. FTP name this racquetball like sport played in a triangular arena.  
A: **Jai-alai** (hi-li)
5. Benjamin Kidd, Lewis Morgan, Herbert Spencer, and L.T. Hobhous were some of the major proponents of this early sociological school. Its advocates in the early twentieth century called for unrestricted, laissez-faire economic and social policy. FTP, name this merger of social science and evolutionary biology.  
A: **Social Darwinism**
6. It was never a true corporation, but rather a holding company that owned parts of hundreds of other companies on the eastern seaboard and Midwest. Divisions of it were based in New Jersey, New York, Indiana, Ohio, and California. FTP, name this company, forced to break up in 1911, the largest oil company in the world at the time.  
A: **Standard Oil**
7. Born in 1866, this man attended the Hong Kong College of Medicine in 1892. Finding politics more to his liking than medicine, his call for the overthrow of the Manchus lead to a 16 year exile in 1895. After the abdication of Pui Yi in 1911, he became president of the Chinese Republic and later dictator in 1923 until he died two years later. FTP, name this founder of the Kuomintang.  
A: **Sun Yat-Sen**
8. Benedic and Beatrice despise each other, while Claudio and Hero are in love. John, the bastard brother of Claudio tries to convince Claudio and Pedro that Hero is not pure while Pedro tricks Benedic and Beatrice to convince them that they love each other. FTP, name this Shakespearean play which makes mountains out of molehills.

A: **Much ado about nothing**

9. His nickname is "The Dean of Science Fiction." A formal naval officer, he is the first win of the Grand Master Nebula Award. FTP, name this author who has won Hugo awards for The Moon is a Harsh Mistress, Doublestar, Starship Troopers, and Stranger in a Strange Land.

A: Robert Anson **Heinlein**

10. The most famous of these was issued by the Holy Roman Emperor Charles VI in 1713 and confirmed by the treaty of Aix-la-Chapelle in 1748. FTP, identify the two word term describing the decree which permitted Maria Theresa to succeed her father as ruler of Hapsburg Austria.

A: **Pragmatic Sanction**

11. Named after the second track on Joni Mitchell's album Clouds, she studied for a masters in International Relations at Oxford after graduating from Stanford. She drew attention by dating Rhodes Scholar Ian Klaus and for obtaining a 6-figure contract to work for consulting firm McKinsey and Co. FTP, name this former First Daughter whose mother is a New York senator.

A: **Chelsea Clinton** (prompt on Clinton)

12. It is important as the first organization to elect members through primaries instead of caucus. Formed after the disappearance of William Morgens from his New York home, this organization, led by Thurlow Weed, gained popularity rapidly. FTP, name this organization which nominated Attorney General William Wirt for President in 1831 and lost most of its support shortly thereafter.

A: **Anti Masonic Party**

13. In 1171 he was established as caliph of Egypt. A Kurd, he was the founder of the Ayubite dynasty, and soon took power in Syria as well. He defeated Christian armies in 1177 and again in 1187 at the Battle of Tiberias of Hattin. He was defeated several times during the third crusade, losing Akra to Henry Champagne. FTP, name this Moslem king who was known as a chivalrous infidel because of his fair treatment of Christians following battles.

A: **Saladin**

14. His remains were finally returned to his homeland in 1988. A collector of folk songs, he incorporated folk music from all over Eastern Europe as well as his native Hungary in his compositions such as "The Castle of Duke Bluebeard", "Mikrokosmos" and "Allegro Barbaro". FTP, name this composer who died in 1945.

A: **Bela Bartok**

15. Although no weapons were on display there, just about everything else was. The main attraction to this February 1913 art exhibition was the 16000 pieces of art by American and European Post Impressionists, Expressionists, Cubists, and Ashcan artists. FTP, name this famous art show housed in an ordinance depot.

A: **Armory Show**

16. Supported by the home state's Governor, it was completed in 1825 and served to make New York City a major financial center. It was also a major trade route from the eastern seaboard to

the Northwest Territories. FTP, name this waterway from Albany to Buffalo sponsored by Dewitt Clinton.

A: Erie Canal

17. First discovered by radio telescopes, they were noted because of their extreme red shift, indicating both extreme age and distance. Variations in their spectra indicate they may be closer than previously thought, and astrophysicists are still at a loss to explain their amazing brightness. FTP, name these celestial objects, so called because they were once thought to be kinds of stars.

A: Quasars, or Quasi-Stellar Objects

18. He was one of the great English Romanticists, and was even made Poet Laureate in 1843. He spent his life in England's Lake District, and collaborated with Coleridge on "Lyrical Ballads". FTP, name this author of "Ode: Intimations of Immortality" "The World is Too Much With Us" and "Tintern Abbey."

A: William Wordsworth

19. Pencil and Paper ready. A car accelerates from rest to a speed of 10 meters per second in a time of 8 seconds. FTP, give the acceleration of the car in meters per second per second.

A: 1.25 meters per second per second

20. An isotope of it was discovered in 1937 by Emilio Segre and Carl Perrier after they bombarded a sample of molybdenum with neutrons. FTP, name this radioactive element from Group 7B, the first artificially produced element in history.

A: Technetium

## Boni

1. FTPE, give the following information about U.S. Senate procedure.

This office is traditionally held by the ranking member of the majority party. It is third in line to the

Presidency after the Vice President and the Speaker of the House.

A: **President Pro Tempore**

This senior Republican senator from Alaska is the current President Pro-Tem.

A: Ted **Stevens**

Stevens replaced Robert Byrd of West Virginia as head of this committee when the Republicans took control of the Senate.

A: Senate **Appropriations** Committee

2. FTPE, given clues, name the famous castle.

The largest occupied castle in the world, it was built by William the Conqueror. It is the favorite residence of Queen Elizabeth II and bears the name of her house.

A: **Windsor** Castle

This is the most famous of three castles built for Ludwig II of Bavaria. Germany's most popular tourist attraction, it features scenes from Wagner operas everywhere.

A: **Neuschwanstein** Castle

This Spanish castle and monastery was begun during the reign of Philip II to commemorate a victory over the French and is located just south of Madrid.

A: The **Escorial**

3. Name the tax FTPE.

This is a tax levied on profits realized from sale of assets such as stock or real estate.

A: **Capital Gains** Tax

This is a consumption tax imposed on specific, non-essential consumer goods. In the U.S., these taxes cover alcohol, tobacco, petroleum, and telecommunications services.

A: **Excise** Taxes

This tax is somewhat homologous to sales tax but is levied at every stage of production based on the increase in a product's worth.

A: **Value-Added** Tax

4. FTPE, name these important rulers who claimed divine right.

He wrote the **The Divine Right of Kings** and supported colonization of Virginia, though he despised the health effects of the stinking weed.

A: **James I** of England or **James VI** of Scotland

Taking the title "Imperator," the fifth emperor of Rome during the Great Fire of Rome in 64 AD gained power after his mother killed Claudius.

A: **Nero** Claudius Caesar Drusus Germanicus

This rich ruler of the Mali Empire converted to Islam and founded Timbuktu after his famous pilgrimage to Mecca in 1324.

A: **Mansa Musa**

5. Name these people or works associated with the Church of Jesus Christ of Latter-Day Saints, FTPE.

Born in Sharon, Vermont, in 1805, he was assassinated by an angry Illinois mob in 1844 after being indicted for treason for his role in founding the Mormon movement.

A: Joseph Smith

Survived by 17 wives and 57 children, this Vermont man became the president of the Mormon Church.

A: Brigham Young

This longest Sherlock Holmes work, which involves a man murdered in London and a message written in blood upon the wall, centers on the early Mormon Church in Utah.

A: A Study in Scarlet

6. Given a description of a European War, name the treaty that ended it FTPE.

Fought from 1853-1856 on the Crimean Peninsula, Russia lost face in this war upon to defeat to the Ottoman Empire, France, and Great Britain.

A: Treaty of Paris

Charles II of Spain died in 1700, leaving the throne to the Frenchman Philip and sparking the War of Spanish Succession between France and the Grand Alliance of England, the Holy Roman Empire, and Holland.

A: Treaty of Utrecht

Germany, England, France, Spain, and the Netherlands fought the Thirty Year's War in the early 1600's that ended in the fragmentation of the Holy Roman Empire.

A: Treaty of Westphalia

7. FTPE, identify the Argentine location.

This is the Spanish name for the southernmost of region Chile and Argentina that experiences volcanic activity.

A: Tierra del Fuego

This tallest mountain in South America is located in Argentina.

A: Aconcagua

This region makes up nearly a third of Argentina and is fairly uninhabited. It is essentially a vast wind-swept and semi-arid plateau.

A: Patagonia

8. FTPE, name the chemist from clues given.

For ten points, name the branch of chemistry.

Applied in ancient societies, this form of chemistry sought to develop the elixir of life and transform metals to gold.

A: alchemy

This division of chemistry is concerned with the weights and ratios of chemicals in a chemical reaction.

A: stoichiometry

One of the earliest known practices of chemistry, this is the science of extracting metals from their ores.

A: metallurgy

9. FTPE, expand these computer-related abbreviations.

HTTP

A: hyper-text transfer protocol

PDA

A: personal digital assistant

UNIVAC

A: UNIversal Automatic Computer

10. FTPE, identify the following from genetics.

He became a monk at age 21 and is known for his genetic findings derived from growing pea plants.

A: Gregor Mendel

Determined by the genotype, this word describes the physical characteristics that can be observed.

A: phenotype

This is the name of the diagram used to predict the probability of an offspring's phenotype and genotype based on the parents' genotypes.

A: Punnet Square

11. Name the following Chinese dynasties FTPE each.

Oracle bones dating from about 1400 BC were part of the religious practices during this Chinese dynasty.

A: Shang Dynasty

This first foreign dynasty was established by Ghengis Khan and favored the nomadic Mongolian people over native Chinese.

A: Yuan Dynasty (prompt on Mongol)

The existence of this dynasty prior to the Shang Dynasty has not been confirmed.

A: Xia (pronounced Hsiah)

12. Answer the following questions about JD Salinger's The Catcher in the Rye FTPE.

He is the narrator who readily expresses his feelings about anything and everything as he relates his experiences in New York.

A: Holden Caulfield

This is the school Holden attends at the beginning of the novel until he is expelled.

A: Pencey

She is an intelligent kid who truly cares about Holden, lends him her meager money, and wants to run away with him if he runs away.

A: Phoebe

13. FTPE, given a description, name the avatar of Vishnu.

In this blue form, his eighth avatar, Vishnu delivered a speech to the hero Arjuna that is now known as the Bhagavad Gita.

A: Krishna

With the help of the monkey army brought by Hanuman, Vishnu's seventh avatar battled the evil demon Ravana who had kidnapped his wife.

A: Rama

His last avatar is yet to come; riding on a white horse, he will conquer evil, reward the righteous and restore a perfect world order.

A: **Kalki**

14. FTPE, give the following "effects," all named after people.

This effect explains the blue or red-shifting of waves emitted from a moving source; a fire-truck for example.

A: **Doppler** effect

This effect, the apparent deflection of a body moving within a rotating reference frame, is often incorrectly used to explain the direction of toilet flushing.

A: **Coriolis** effect

This effect relies on virtual particle creation to explain why large plates placed close together will experience an attractive force.

A: **Casimir** effect

15. FTPE, given three composers, name the epoch in which they composed.

Richard Wagner, Johannes Brahms, Gustav Mahler

A: **Romantic**

Antonio Vivaldi, Johann Sebastian Bach, George Friederic Handel

A: **Late Baroque**

Joseph Haydn, Wolfgang Amadeus Mozart, Ludwig von Beethoven

A: **Classic** (also accept Classical)

16. Name these novels by Toni Morrison FTPE.

Morrison's most famous work, it won the Pulitzer Prize in 1988 and tells the story of Sethe, a former slave haunted by the memories of a daughter she killed to spare her a life of slavery.

A: **Beloved**

Morrison's first novel, it centers on eleven year-old Pecola Breedlove who thinks herself ugly because of her race and longs for the title attribute. She is abused by nearly all of her society and is twice raped by her own father.

A: **The Bluest Eye**

In her second novel, the title character and Nel develop a friendship in spite of their very different backgrounds and accidentally killed Chicken Little. They are split by time and society's ostracizing of the title character, but eventually reconcile.

A: **Sula**

17. FTPE, identify the skyscraper from clues given.

This tallest structure in New York City was built between 1928 and 1930 by William Van Alen. The top is primarily stainless steel and contains ornamentation influenced by automobiles.

A: The **Chrysler** Building

This modern building by IM Pei was constructed between 1982 and 1990 and is built primarily from glass and steel. The exterior design of this Hong Kong edifice is based on triangles and diamonds.

A: **Bank of China** Tower

This is the United Kingdom's tallest building. Located in London, it is built in the postmodern style and is constructed primarily from steel as well as glass.

A: **One Canada Square** (also accept Canary Wharf Tower or Canada Tower)

18. FTPE, give any vice president of the presidents described.

He is a Virginian who designed the University of Virginia and his home Monticello.

A: Aaron **Burr** or George **Clinton**

The first president to be a son of a previous president, he won the Corrupt Bargain.

A: John C. **Calhoun**

He was the tenth president who took office upon the death of William Henry Harrison.

A: **None** (accept equivalents)

19. FTPE, identify the genetic disorder.

This disease is caused when three copies of chromosome 21 are present in every cell, also called Trisomy 21.

A: **Down** Syndrome

This disease is caused when mutations in the beta-globin gene cause blood cells to become distorted and dangerously restrict blood flow.

A: **Sickle-cell Anemia**

The cause of this disease is believed to be an abnormality on chromosome 7. In this disorder, a gene creation which regulates the chloride channel doesn't work properly.

A: **Cystic Fibrosis**

20. Dante Alighieri is most famous for his Divine Comedy, the work from which the modern Italian language is derived. FTPE, answer the following questions about this classic work.

Dante claimed this poet had prophesized the coming of Jesus. Though not a Christian, he represents pure knowledge and guides Dante through the Inferno.

A: **Virgil**

Identify the circle of Hell where centaurs guard the guilty, including Alexander the Great, who are submerged in boiling blood.

A: **Circle 7**

Name Dante's rhyme scheme, based on the number 3, representing the Holy Trinity, and the number 10, the perfect number for the glory of God.

A: **Terza-rima**