

Semi-finals  
Toss-Ups

1. Born in 1834 in Massachusetts, he moved to Paris after getting expelled from West Point. Moving later to London, he established himself as a superb artist and painter, incorporating many styles such as impressionism and Japanese painting into his works. FTP, name this artist famous for such works as Harmony in Gray and Green, as well as a well known painting of his mother.  
A: James Whistler
2. His son attempts unsuccessfully to avenge his death by trying to assassinate his arch nemesis while on stilts at a Parade. His father, who was a hardworking orphan living in a tiny room above a bowling alley, was envious of his coworker for having a better life despite total incompetence and laziness. FTP, name this man who killed himself while sarcastically imitating his hated rival Homer Simpson.  
A: Frank Grimes (also accept Grimey)
3. Described as being eight feet tall, with black hair, yellow eyes, and black lips, he learns to read by hiding near a house of exiled French aristocrats. He kills William, and frames Justine. He then kills Clerval and Elizabeth when Victor refuses to make him a mate. FTP, name this creature from a horror novel by Mary Shelley.  
A: Frankenstein's monster (do not accept Frankenstein)
4. Bobby Fischer thought that this game was more complex than chess. There certainly are more possibilities; there are a total of 361 pieces which may be played on a 19 by 19 square board. FTP, name this popular Chinese strategy game in which players try to capture their opponent's stones.  
A: Go
5. A skilled courtier, he rose to the highest administrative position in England under Henry VIII. A devout Catholic, he would not lend his consent to the divorce of Henry VIII and the creation of the Church of England, an offense for which he was executed. FTP, name this "Man for All Seasons" who wrote Utopia.  
A: Sir Thomas More
6. In addition to its geometrical interest, it is a superb satire of the rigid social structure and inferior position of women in Victorian England. In it, Mr. A Square meets A Sphere from the third dimension. FTP, name this book about a two dimensional world in which women are lines, and social status for men is determined by their number of sides, written by Edwin Abbott Abbott.  
A: Flatland
7. One of the first environmental tales, this poem introduced the phrase "albatross around one's neck". In this poem, a man goes to sea and kills a lucky albatross, causing the ship to be beset by calm. After everyone else has died, he realizes that nature is valuable and should not be harmed, but only after the dead crew sails him back to land. FTP, name this poem by Samuel Coleridge.  
A: Rime of the Ancient Mariner

8. Born in Braunau on the Austrian/Bavarian border, he was the son of a minor official in the Austrian Government. There is some dispute that his real name should have been Stuckelgrubber. A failed art student in Vienna, he won several awards during WWI. FTP, name this author of Mein Kampf who committed atrocities against Jews and organized the NAZI party.  
A: Adolf **Hitler**

9. So nervous were publishers about the lurid nature of this tale that they made its author accept some responsibility for the publishing of it, her only novel. Narrated by Nelly Dean, this tale of love and passion spans two generations of the Linton and Earnshaw families. FTP, name this novel about the love of Catherine and Heathcliff by Emily Bronte.  
A: **Wuthering Heights**

10. Composed around 800 AD, it has many hapax legoma, words appearing only once in the English language. In this tale, three monsters are killed by the hero; the first two he vanquishes in single combat, and in his old age is aided by Wiglaf in killing a dragon. FTP, name this old English epic, whose hero first kills the monster Grendel and then Grendel's mother.  
A: **Beowulf**

11. His preached fluidity in movements and began the trend to blocking and striking back simultaneously. After his death, many look-alikes failed to copy his style in movies, with only Jet Li and Jackie Chan coming close to his standard. FTP, name this creator of Jeet Kune Do known for his unbelievable speed in movies like Enter the Dragon and Fists of Fury.  
A: **Bruce Lee**

12. Theoretically, time stops at this important dividing line. Quantum effects occurring near this division cause Hawking Radiation. FTP, name this region, the boundary of a black hole and past which nothing can escape.  
A: **Event Horizon**

13. Mark Twain had so much trouble learning it that he wrote an essay deriding it as silly and illogical. An indo-European language, it has four cases, accusative, genitive, dative, and nominative. For years it was the language of international science and math, though it has lost that distinction to English. FTP name this major European language spoken by Goethe, Hindenburg, and Otto Von Bismarck.  
A: **German**

14. The only scenery is a tree which is supposedly on a country road. At the end of each act, a boy arrives bearing a message. FTP, identify this play in which Vladimir and Estragon converse and philosophize under a tree by Samuel Beckett.  
A: **Waiting for Godot**

15. Founded by Robert Welch, a soft drink maker, in 1958, this group took its name from a U.S. intelligence officer killed by the Chinese in 1945. FTP, name this organization of the far right which is against social security, taxes, and the Supreme Court.  
A: **John Birch Society**

16. This nation is similar to Switzerland; it is German speaking, small, and wealthy. It is one of the smallest in the World, covering only 62 square miles. FTP name this European nation with capital at Vaduz.

A: Liechtenstein

17. Named for the mountain range running down the Bohemian-Polish border, this region has a high concentration of German speaking people. FTP, name this region which was annexed by Germany in the Munich Pact of 1938 and restored to the Czechoslovakian Republic in 1945.

A: Sudetenland

18. A Native American, he was one of the great college football players of his day. He was also good enough at baseball to play in a professional league as a teen. It was for this that he was later stripped of his gold medals. FTP, name this winner of the 1912 Olympic decathlon and pentathlon, considered by some to be the greatest athlete ever.

A: Jim Thorpe

19. He found, in 1840, that the amount of heat an electric current produces is proportional to the product of the resistance and the square of the current. FTP, name this scientist, more famous for determining the heat equivalent of mechanical work, and for whom the SI unit of energy is named.

A: James Prescott Joule

20. Discovered in 1735 by Brandt, its name comes from the German word for Goblin. It has atomic mass of 58.9 and atomic number 27. FTP, name this bluish hard metal used on ceramics, alloys, and paints, with symbol Co.

A: Cobalt

## Boni

1. Answer the following questions about nations that gained their independence after the Second World War FTPE.

Bounded by Niger to the north, Benin to the west, and the Atlantic Ocean to the south, this former British colony gained its independence in 1960. Its current leader is Olusegun Obasanjo.

A: **Nigeria**

A former colony of France until 1962, it's bounded to the north by the Mediterranean Sea and to the west by Morocco. It has sizable deposits of petroleum, natural gas, and iron ore.

A: **Algeria**

This Southeast Asian nation is actually a series of islands. Currently the fourth most populous country in the world, it gained its independence from the Netherlands in 1945.

A: **Indonesia**

2. Answer the following questions related to a play FTPE.

Born Thomas in Columbus, Mississippi, he later changed his first name to that of a Southern state. Name this author of The Glass Menagerie.

A: Tennessee **Williams**

Name this Williams play in which the main character, Blanche, moves from Mississippi to New Orleans to live with her sister, Stella. She tries to rebuild her life throughout the play, but ends up being led away by a doctor at the end.

A: **A Streetcar Named Desire**

This is the maiden last name for Stella and Blanche, who share this last name with a black civil rights activist who argued that blacks deserve the same rights as whites.

A: **DuBois**

3. Name these countries with ancient roots FTPE.

Conquered by Julius Caesar in 43 B.C, this European nation was known to the Romans as Gaul and its motto translates to "Liberty! Equality! Fraternity!"

A: **France**

Formerly known as the Republic of Helvetia, it is dominated by highly mountainous terrain, and has four official languages: English, French, German, and Romansch.

A: **Switzerland**

Noah's son Ham's descendants supposedly settled here, and later the Aksumites made Axum its first capital. Muslims took over the country until native and Portuguese forces returned Christian rule in 1543.

A: **Ethiopia**

4. FTPE, identify these leaders of Rome.

Making his name during the Second Punic War, this general defeated Hannibal Barca at the Battle of Zama and thus ensured the Roman Empire's dominance of the Mediterranean Sea for the rest of its existence.

A: **Scipio Africannus** (prompt on **Scipio** or **Africannus**)

A contemporary of Julius Caesar, this statesman and orator joined the uprising against Caesar's nephew, Octavian Augustus. Name this "father of modern law," renowned for his brutal and unrelenting attacks on opposing counsel and authorities alike.

A: Cicero

Very successful in expanding and maintaining the Empire, this general's victory at Vindabona in A.D. 79 ensured that all of Europe south of the Danube River would be Roman. His Meditations are widely read among scholars of the classical world.

A: Marcus Aurelius (prompt on Marcus or Aurelius)

5. Answer the following questions about a communist nation FTPE.

The largest country before it broke up, this nation's leaders included Breshnez and Andropov.

A: the Soviet Union (also accept USSR, CCCP, or Union of Soviet Socialist Republics)

Identify the leader who attempted to reform the USSR through perestroika and glasnost, but ended by having the republic break apart around him as nations demanded independence.

A: Mikhail Gorbachev

This is the Soviet system of patronage where lists were made of workers who gained connections to be selected later for higher positions.

A: the nomenklatura

6. FTPE, answer the following questions about the People's National Congress.

The PNC is a largely ceremonial legislative body in this country.

A: China

Warning whole name required for parts two and three.

This man was recently selected by the PNC to replace Jiang Zemin as the next president of the PRC.

A: Hu Jintao

Name any one of the following: the current Chairman of the PNC, the elected candidate for the office of Premier of the State Council, or the elected candidate for the office of vice president.

A: Li Peng or Wen Jiabao or Zeng Qinghong

7. FTPE, answer the following questions about famous cello-makers.

Apprenticed to a cello-maker as a young boy, his cellos are now worth millions. However, he is more famous for his violin-making skills.

A: Antonio Stradivarius

Probably the most famous cello-maker, he comes from a long line of cello-makers in Italy. His grandfather and son were also renowned artisans. His name means "loved."

A: Nicolo Amati

This is one of the most famous and valuable cellos in the world. It is innately decorated with paintings of piety and justice and has five strings instead of four. It is larger than today's standard cello, at 31 inches.

A: The King

8. Answer the following questions about osmotic states FTPE.

Cells placed in this type of solution, one with same molarity as cell protoplasm, will retain their size and shape.

A: isotonic solution

A cell placed in this type of solution will expand, and may even lyse if the difference in molarity is great enough.

A: hypotonic

This type of pressure allows non-woody plants to stand upright. When it is lost, the plants wilt.

A: **Turgor** pressure

9. FTPE, answer these questions related to a famous German philosopher.

This philosopher's works include the Metaphysics of Morals, Critique of Judgment, and Critique of Pure Reason.

A: **Immanuel Kant**

This term, found in Kant's work, is often stated, "Act only according to that maxim whereby you can, at the same time, will that it become a universal law."

A: **categorical imperative**

Kant's works fall into this branch of philosophy, which stresses the study and definition of duty and derives its name from the Greek for "duty."

A: **Deontology**

10. Answer these chemistry questions FTPE.

This type of bond is present in many crystals and occurs when ions of a metal are held in a "sea of electrons."

A: **metallic** bond

This is the smallest groups of atoms or molecules whose repetition at regular intervals in three dimensions produces the crystal lattice structure.

A: **unit cell**

Give the number of atoms in a face-centered-cubic unit cell.

A: **4**

11. Identify the following clauses from the Constitution FTPE.

The settling of possible conflicts between state governments and the federal government, as detailed Article VI through a hierarchy of the Constitution, the national laws, and then treaties, is often called this.

A: **supremacy** clause

The notion of implied powers, comparable to stretching a rubber band, is expressed by this clause.

A: **elastic** clause (also accept **"necessary and proper"**)

Found in Article IV, it requires states to recognize all other states' public acts, records, and civil judicial proceedings.

A: **"full faith and credit"**

12. Answer the following questions regarding a type of economic competition FTPE.

Possible if economies of scale extend beyond the market's size, this is a rare market situation in which average total cost is minimized when only one firm produces the particular good or service.

A: **natural monopoly** (prompt on **monopoly**)

In this monopolistic practice, the supplier charges different prices to different customers even though there is no production cost difference.

A: **price discrimination**

Occurring at the socially optimal price if a monopoly is regulated, this type of efficiency exists when price equals marginal cost and demonstrates that the firm is producing the mix of goods

consumers desire most.

A: allocative efficiency

13. Answer the following questions concerning Andrew Jackson's economic policies FTPE.

On July 11, 1836 Jackson passed this bill which directed government agents to only accept gold and silver coins for the sale of land, in hopes that it would decrease speculation of public lands.

A: Specie Circular (spee-sea)

With Nicholas Biddle as its president, it passed out of existence when Jackson let its charter expired in 1836.

A: Second Bank of the United States (do not accept Bank of the United States)

In order to break the power of the Second Bank of the United States, Jackson decided to withdraw government money from this financial institution to pay expenses and to deposit future government revenues selected state financial institutions. Give the name of these state banks.

A: Pet Banks

14. Answer the following questions about electrical circuits FTPE.

This type of circuit the current branches off into separate paths and comes back together again and the voltage dropped is the same for both branches.

A: parallel circuit

This measurement device must be wired parallel to the circuit and it has a high resistance. It measures the potential difference in the circuit.

A: voltmeter

Gustav Robert formulated two rules. This one states that the algebraic sum of all the changes in potential around any closed path of a circuit must be zero.

A: Kirchhoff Loop Rule (prompt on Loop rule)

15. FTPE, identify the symbol given a description or the groups it represents.

This red 8-point starlike shape is the symbol of the British Empire.

A: Union Jack

These two tools represented the Soviet communists and are found on the Soviet flag.

A: hammer and sickle

A symbol of the Freemasons, this bird of prey was also the

A: Double-Headed Eagle

16. Answer the following questions about individuals involved in corporate scandals FTPE.

He was put on trial before Congress last year because of his dealings as CEO of Enron.

A: Kenneth Lay

He was put in the spotlight for his excessive benefits from GE during his acrimonious divorce trial.

A: Jack Welch

He was forced to resign from his post as chairman of the SEC due to his perceived softness toward corporate crime.

A: Harvey Pitt

17. Answer the following questions about a work FTPE.

Born in Virginia, this author moved to Nebraska at age nine. She wrote many famous works,

including A Wagner Matinee and Death Comes to the Archbishop.

A: Willa Cather

This famous work, which has many similarities with her own life, details the life of Jim Burden who moves from Virginia to Nebraska to live with his grandparents.

A: My Antonia

This is the first university that Jim attends, which is also the school which Cather herself attended.

A: University of Nebraska at Lincoln

18. FTPE, given its highlights, name the reality TV show.

Viewers immediately disliked Heidi after an episode featuring her hoarding evening gowns. A finalist was chided for taking part in a film. The "winner" accepted Evan's proposal and won half a million dollars.

A: Joe Millionaire

Poor Keith was deemed the Worst Singer in the World. Frenchie was disqualified, although many believed that she was the most talented of the contestants. Simon was back once again with his harsh list of criticisms.

A: American Idol

She started off working at a chicken restaurant and made her way to fame by taking on the roles as a Both and Guess cover girl. She is not only known for her liking of the color pink, but also for her marriage to a very old and very rich tycoon.

A: The Anna Nicole Smith Show

19. For fifteen points each, name these colleges or universities, the sites of major experiments in the past century.

Enrico Fermi created the first self-sustaining chain reaction releasing nuclear energy underground at this Midwestern university in 1942.

A: University of Chicago

John B. Watson conducted his famous Little Albert experiment at this Baltimore university, in which he conditioned a young child to be fearful of white, fuzzy objects.

A: Johns Hopkins University

20. Answer the following questions about There Eyes Were Watching God FTPE.

This is the nickname used throughout the book of the fun-loving man who joins Janie after Joe Starks dies. They move to Jacksonville, and he lives and works for her until Janie shoots him because he is very sick with rabies.

A: Tea Cake

He is the first man Janie marries because her elderly grandmother wants her married off before her death. Janie feels no love for him and leaves him to run off with Joe Starks.

A: Logan Kilicks (accept either name)

This is the faithful friend in Eatonville who brings Janie food at the beginning of the novel. The entire novel resembles Janie telling the story of her life to this friend.

A: Phoebe