

Round 2
Toss-Ups

1. His son suffered from acute arthritis. In an attempt to relieve his son's suffering, this engineer invented a pump which swirled the water of a bathtub into a whirlpool. FTP, name this Italian American inventor who has lent his name to a type of bathtub.

A: **Jacuzzi**

2. In 216 BC, a motley crew of Spanish javelin throwers, Numidian cavalry, Celts under the leadership of the Carthaginian Hannibal met a huge Roman army. By allowing a natural collapse of the infantry line, Hannibal was able to pincer the Romans with his cavalry, decimating them. FTP, name this great Carthaginian victory over the largest Roman Army at the time, more than 80,000 troops.

A: **Cannae**

3. They were lead by Sinque and were most active in the western united states. They staged a number of notable crimes, though are best remembered for the kidnapping and subsequent brainwashing of Patty Hearst. FTP, name this radical terrorist group, whose abbreviated name was S.L.A.

A: **Symbionese Liberation Army** (accept SLA early)

4. Pencil and paper ready. A perfect number is one that is equal to the sum of its divisors. FTP, calculate the product of the first two perfect numbers.

A: **168**

5. It is sometimes called "The Daily Diary of the American Dream" and has the largest circulation of any newspaper in the U.S. and is known for its conservative editorial page. FTP, name this popular, business oriented newspaper.

A: **The Wall Street Journal**

6. This author's life was filled with tragedy and irony. His first wife drowned herself, and at 30 he too drowned. One of his most well known works, Prometheus Unbound was not as successful as a book by his second wife, subtitled A modern Prometheus. FTP, name this writer.

A: **Percy Shelley**

7. Early in life, he displayed his talent for problem solving by building a working clock out of wood. However, this Tuskegee University professor is better known of the many industrial uses he found for the peanut. FTP, name this famous black scientist.

A: George Washington **Carver**

8. Many physical constants are related to each other through calculus, Velocity is the first derivative of position with respect to time, and acceleration is the second. FTP, give the common name for the third derivative of position with respect to time.

A: **Jerk**

9. He died at a young age, not surprising considering the health problems usually associated with being seven foot four and 520 pounds. FTP, name this former professional wrestler, perhaps best remembered for his role of Fezzik in The Princess Bride.
A: Andre the Giant
10. This barbarian leader came to power over the Franks in 480 AD. By 511 AD, he had unified the Franks, and taken over much of the Roman province of Gaul by expelling almost all of the Germanic tribes from the region. FTP, name this man who founded the Merovingian dynasty.
A: Clovis
11. This phrase is literally Italian for "as in church", though this is not how it is used, since musical instruments have been used in churches for hundreds of years. FTP, give this musical term for vocal music performed without instrumental accompaniment.
A: a capella
12. Many financial experts do not use it because it is not representative of all markets. Today it consists of 30 companies, including AT&T, Coca-Cola, and McDonald's. FTP, name this stock index, which, despite its shortcomings, is one of the most popular and oldest in the financial world.
A: Dow Jones Industrial Average
13. Palazzo Grassi, La Fenice, Palace of the Patriarch, and the San Marco Gardens, can all be found in this city, home also to the Grand Canal and the famous gondola. FTP, name this Italian City.
A: Venice
14. Pencil and Paper ready. A stationary ball experiences a jerk of 1 meter per second cubed for 2 seconds. How far has the ball traveled at the end of the 2 seconds.
A: 4/3 meters
15. He is known for paintings of dreamlike incongruity. In his painting Rape, a torso is substituted as a face, while his other major paintings include The Human Condition and The Wind and the Song. FTP, name this 20th century Belgian surrealist painter.
A: Rene Magritte
16. This composer wrote the opera Pelleas et Melisander, the tone poem Le Mer, the ballet Jeux, and the piano piece Claire de Lune. FTP, name this French composer famous for his Prelude to the Afternoon of a Faun.
A: Claude Debussy
17. He wrote on the life of Johann Sebastian Bach as well as The Quest for the Historicle Jesus. FTP, name this humanitarian and scholar, awarded the Nobel Peace Prize in 1952 and founder of a hospital in Lambarene, Gabon.
A: Albert Schweitzer
18. James Watt was the first to define this term, which he calculated by drawing coal from a pit. It is equal to 550 foot-pounds per second, or 746 watts. FTP, identify this unit of power, used now

mainly for automobiles.

A: **Horsepower**

19. "Many years later, as he faced the firing squad, Colonel Aureliano Buendia was to remember that distant afternoon when his father took him to discover ice" begins the translated version of this novel, listed by former president Clinton as his favorite. FTP, name this most famous work by Colombian author Gabriel Garcia Marquez.

A: **One Hundred Years of Solitude** (also accept **Cien años en soledad**)

20. Elected archon in 594 BC, he laid the foundations for democracy in Athens through his many legal and political reforms, including the creation of the council of four hundred, and a newer, kinder law code to replace the Draconian Code. FTP, name this Athenian statesman, often called "the lawgiver"

A: **Solon**

Boni

1. FTPE, name these characters from a Bizet opera.
This character attacks knifes a woman at work and then runs off with the policeman.
A: Carmen
This is the inspector whom Carmen seduces, turns into a smuggler, kills by the end.
A: Don Jose
Carmen leaves Don Jose for this bullfighter in the final act of the opera.
A: Escamillo
2. Name the following Kurt Vonnegut Junior works FTPE.
Subtitled "The Children's Crusade," this most famous Vonnegut work deals with time travel and the Trafalmadorians, as well as Billy Pilgrim's experience during the Dresden fire bombing.
A: Slaughterhouse Five
Titled after a children's string game, this dark comedy about the end of the world features a new religion, Bokonism, and a deadly ice, Ice-9.
A: Cats Cradle
Author Kilgore Trout meets characters in his own novels and they greatly influence him. Trout's novels also drive Pontiac dealer Dwayne Hoover insane and send him on a violent rampage.
A: Breakfast of Champions
3. FTPE, answer these questions about English geography. This city is located on the banks of the Mersey and is probably most famous as the place of origin of the Beatles.
A: Liverpool
In this most westerly county, the towns of Penzance, Truro, and Fowey (pronounced Foy) are found, as well as Tintagel Castle. The name is similar to that of a British Revolutionary War general.
A: Cornwall
This region contains Windermere and Ullswater, as well as Beatrix Potter's home after 1906.
A: Lake District
4. FTPE, name these functional group categories from organic chemistry.]
This class consists of a hydroxyl, or -OH, group added to one end of a molecule.
A: Alcohol
This class consists of a carbonyl, or -CHO, group attached to one end of a molecule.
A: Aldehyde
This class consists of a -COO- group, with a double bond between the C and one O, attached in the middle of a molecule.
A: Ester
5. FTPE, name these prominent lakes located on borders.
This lake, located on the border of Bolivia and Peru, is the highest navigable lake in the world.
A: Lake Titicaca
This source of the Nile River, located at the juncture of Tanzania, Uganda, and Kenya, is the largest lake in Africa.
A: Lake Victoria

This lake, located at the northernmost tip of Minnesota, is the point from which the United States-Canada boundary extends westward.

A: **Lake of the Woods**

6. FTPE, name these Girl Scout Cookie varieties.

Encased in a layer of chocolate, these small cookies are named for their size and taste.

A: **Thin Mints**

This variety has two crunchy cookies on either side of a peanut butter filling.

A: **Do-Si-Dos**

Made of shortbread and fashioned into the shape of a leaf, this first Girl Scout cookie bears the insignia of the Girl Scouts.

A: **Trefoils**

7. 30-20-10, identify the artist.

For 30, this artist signed with Columbia Records in 1972, and released his first album, Greetings from Asbury Park, in 1973.

For 20, this artist's second release was The Wild, the Innocent and the E-Street Shuffle in 1974, which was followed by Born to Run in 1975.

For 10, this artist known as "The Boss" recently held a concert at the Coliseum in Richmond. His album Born in the USA sold 13 million copies and was the best selling Columbia record at that time.

A: Bruce **Springsteen**

8. FTPE, name the cheese described.

It originated in Italy and was made from the milk of water-buffalo, although, today, most is made from cow milk. It can be found on pizzas worldwide.

A: **Mozzarella** cheese

The unimaginative name of this Mexican cheese literally means "white cheese." It's excellent for cooking because, although it softens in heat, it won't melt.

A: **Queso Blanco**

This is the most famous cheese produced in Norway. It has a nutty flavor and contains holes reminiscent of Swiss cheese.

A: **Jarlsberg** cheese

9. Give the following information about a work of early Japanese literature FTPE.

This work details the love life of a prince and is thought to be the world's first existing novel.

A: The **Tale of Genji** (accept **Genji Monogatari**)

Name that work's author, who also wrote one of the earliest known diaries and a collection of tanka poetry.

A: Murasaki **Shikibu** (also accept **Lady Murasaki**, prompt on **Murasaki**)

Identify the Japanese historical period in which the novel takes place.

A: **Heian** period

10. FTPE, answer these questions about Saddam Hussein.

Saddam is a member of this political party, which also holds power in Syria.

A: the **Ba'ath** Party

Within one year, this is the year Saddam became the president of Iraq.

A: **1979** (accept **1978-1980**)

This man, Saddam's elder son, was partially paralyzed in an assassination attempt in 1996. His free Yahoo email account was disabled last December.

A: **Uday** Hussein (prompt on **Hussein**)

11. FTPE, name these people, all kids of famous rockers

She recently released her debut album **Shut Up**, but is still known primarily for being the daughter of the former front man of Black Sabbath.

A: **Kelly Osbourne** (prompt on **Osbourne**)

This actress found out at the age of 9 that Aerosmith's lead singer was her father. She now has a starring role as Arwen Evenstar in **The Lord of the Rings**.

A: **Liv Tyler** (prompt on **Liv** or **Tyler**, accept **Liv Rundgren**)

His albums include **Photograph Smile**, **The Secret Value of Daydreaming**, and **Valotte**, but he's still better known as John and Cynthia Lennon's son.

A: John Charles **Julian Lennon** (do not accept **John Lennon**, prompt on **Lennon**)

12. FTPE, give the requested information concerning the American Great Lakes.

Following a 1998 act of Congress, this is the number of Great Lakes.

A: **Six**

This lake was immortalized by Longfellow as "Gitche Gumee" in his "Song of Hiawatha."

A: Lake **Superior**

This strait separates Michigan's two peninsulas and connects Lake Michigan to Lake Huron.

A: **Mackinac** Strait (Mack-in-awe)

13. FTPE, identify the Broadway musical from clues.

This Andrew Lloyd Webber musical was the longest-running Broadway show.

A: **Cats**

This Meredith Wilson musical featured such characters as Professor Harold Hill and Marion the Librarian.

A: **The Music Man**

This Rogers & Hammerstein musical contained such songs as "Bali Hai," "Dites-moi," "Younger than Springtime," "Happy Talk," and "Some Enchanted Evening."

A: **South Pacific**

14. FTPE, answer the following question about **Jude the Obscure**.

This is the author of **Jude the Obscure**.

A: Thomas **Hardy**

Jude dreams of studying at this university, but cannot because of his background. His teacher Richard Phillotson gets a job there and so does his cousin Susanna, thanks to Jude.

A: **Christminster**

Said to have the mind of an old man as a youth, he is the son of Jude and Arabella who hangs himself along with Susanna's two children.

A: **Little Father Time** (also accept **Little Jude**)

15. FTPE, answer the following questions about classification.

In the mid-1700s, this Swede established the system of binomial nomenclature.

A: Carolus **Linnaeus**

In this field, scientists identify new organisms and determine how to place them into an existing classification scheme.

A: **Taxonomy**

This Greek philosopher and scientist, who lived in the 300s BC, established one of the earliest classification schemes.

A: **Aristotle**

16. FTPE, name these economic theories.

This was promulgated by Adam Smith in The Wealth of Nations as the way by which an unregulated economy controls itself.

A: The **"Invisible Hand"** theory

Named after its French founder, this theory stated that supply creates its own demand.

A: **Say's Law**

Believed by supply-side economists, this graph named for an American claims that there exists a tax rate between 0% and 100% where revenue is maximized.

A: **Laffer Curve**

17. FTPE, answer the following conjunction bonus. For example, if the clue was, "the muckraker author of the Jungle and the American author famous for Babbitt and Aerosmith," the answer would be **Upton Sinclair Lewis**.

An animated motion picture about a colony of ants oppressed by marauding grasshoppers and a normally ring-shaped candy in five fruit flavors.

A: **A Bug's Life Savers**

The author of the Dune series, the 31st president of the United States from 1929-1933, and a major engineering achievement on the Colorado River between Nevada and Arizona.

A: **Frank Herbert Hoover Dam**

A comedic genius known for such movies as Manhattan, Bullets over Broadway, Love and Death, and Bananas, the basketball star who currently leads the New York Knicks in scoring, and the famous lines uttered when Apollo 13 found out it had a dilemma.

A: **Woody Allen Houston We Have A Problem**

18. Answer these following questions about chloroplasts FTPE.

Molecules of this are found in chloroplasts and give chloroplasts their green color.

A: **Chlorophyll**

Give the name for the fluid in which grana lie suspended.

A: **Stroma**

These disk-like compartments that chloroplasts are divided into lie suspended in stroma.

A: **Thylakoids**

19. Identify the following types of implications FTPE.

These statements are phrased as "If A, then B."

A: **Conditional** statement

These statements are phrased "If not B, then not A."

A: **Contrapositive**

These statements are phrased, "If not A, then not B."

A: **Inverse**

20. FTPE, name these prominent conductors of orchestras.

This famous American was known for his showman's style and the composition Westside Story.

A: Leonard **Bernstein**

Noted for his detail-oriented approach and fidelity to the intentions of the composers, this Italian became the leading conductor at Milan's La Scala in 1898 after winning acclaim for his style while conducting Verdi's Aida.

A: Arturo **Toscanini**

Born in London to a Polish father and an Irish mother, he became famous for leading the Philadelphia Orchestra and conducting sans baton. He also conducted for the original version of the motion picture "Fantasia."

A: Leopold Antoni Stanislaw **Stokowski**