

1. His son, Michael, is the current head of the Federal Communications Commission. Decorated with a Purple Heart, Bronze Star, and Distinguished Service Medal from his two stints in Vietnam, his autobiography, *My American Journey*, was a best-seller in 1993 after he retired as Chair of the Joint Chiefs of Staff. FTP who is this current Secretary of State?

Answer: **Colin Powell**

2. 90% of its population lives on a fairly small plateau in its west. Much of the rest of the country is desert or semidesert, although it does have a small stretch of coastline at Aqaba [ACK-a-bah]. Near its largest peak, Jebel Ram, is the ancient city of Petra. Like Israel, it has had problems with Palestinian unrest, including the 1951 assassination of King Abdullah, grandfather of the current monarch of the same name. FTP name this Middle Eastern kingdom with its capital at Amman.

Answer: **Jordan**

3. Harriet might not be as good-looking as the protagonist, but that makes her the perfect guinea pig. Mr. Knightly despises the matchmaking done by the main character and plays some tricks of his own, being especially coy when many think he is in love with Jane Fairfax (in reality it is Frank Churchill that has feelings for her and that buys her the piano). FTP, this is the tale of what Jane Austen novel which was the basis for the movie *Clueless*?

Answer: **Emma**

4. Its initial development has widely been attributed to Ole-Johan Dahl and Kristen Nygaard of Norway, who won the Association for Computing Machinery's 2001 Alan Turing Award, considered the "Nobel Prize of Computing." This pair developed SIMULA, a programming language that was never widely used, but introduced the concepts of classes, inheritance, and dynamic binding. FTP, what is the type of programming that SIMULA began, the most widely used programming model today?

Answer: **object-oriented** programming (or OOP or OOD)

[Prompt on SIMULA for early buzz]

5. Its current name was given it by Titus Bode years before it was discovered when he presumed it would be there; Georgium Sidus was the name given it by its discoverer. With a roughly 90% axial inclination, FTP, what is this planet discovered by William Herschel, the seventh from our Sun?

Answer: **Uranus**

6. At the end of his life, long after his capture, he was somewhat sadly displayed at the Pan-American Exposition in Buffalo and the St. Louis World's Fair in 1904. His Chiricahua (chee-ri-kaw-hwa) name was Goyathlay, and he led a band of Apache into Mexico when members of his tribe were slaughtered by U.S. troops. From there he led successful raids on and escapes from troops until Nelson Miles got him to surrender in 1886. FTP name this Apache leader who probably never yelled his own name jumping off a cliff.

Answer: **Geronimo**

7. The number 3 song for 2001 on the Billboard modern rock chart, this single had the honor of topping Billboard's year-end Hot 100 chart despite never reaching number 1 on that chart during its run. While it sounds like an uptempo love song, songwriter Jason Wade says it's about spiritual longing, with the line "I'm falling even more in love in you" referring to God as opposed to a significant other. The first track of the 2000 album "No Name Face," FTP, name this biggest hit for Lifehouse.

Answer: **Hanging by a Moment**

8. Frederic Henry Hedge, Orestes Brownson, George Ripley, and Bronson Alcott were among its second-tier proponents. It rejected both tradition and logical demonstrations and denied the existence of evil. Its followers believed in reliance on personal conscience, based on one's own perception and experience, over the dictates of external authority. FTP name this 19th century movement whose foremost voices were Thoreau and Emerson.

Answer: **transcendentalism**

9. The first act opens in an attic apartment on Christmas Eve in the 1830s. After all but one of the male characters leave for a café, a female neighbor enters to find a match to relight her candle, leading the remaining male lead to sing the aria *Che gelida manina*, or the “tiny hand is frozen.” Unfortunately, she’s tubercular, and the rest of the Parisian characters are poor poets and musicians. So goes, FTP, the plot of what Puccini opera about the love of Mimi and Rudolfo, the basis for the musical *Rent*.

Answer: **La Boheme**

10. Among other functions, protein synthesis, calcium storage, and the production of glycogen are facilitated by this network of tubules, sacs, and vesicles. They are divided into two classes, rough and smooth, with the rough holding the ribosomes and the smooth storing calcium and proteins. FTP give the name of this cell organelle, that along with the Golgi complex, plays a key part in protein production.

Answer: **endoplasmic reticulum** [accept ER]

11. Sometimes depicted as riding a rat, this mythological figure is propitiated at the beginning of literary and sacred writings to ensure that the writer will encounter no obstacles. One myth tells that the sage Vyasa dictated the Mahabharata to him. The god of wisdom and prudence, FTP, who is this son of Shiva and Parvati, depicted with a man's body and elephant's head?

Answer: **Ganesa or Ganesha or Ganapati**

12. According to legend, she only washes her face with Evian spring water, somewhat fitting as her name is Gaelic for “crooked stream.” She was set to play Sonya Blade in “Mortal Kombat” until a broken wrist knocked her out of that role. Lesser known roles include Jude in “The Last Supper” and Heather Davis in “She’s the One.” More familiar roles include Lotte Schwartz in “Being John Malkovich” and Julie Gianni in “Vanilla Sky.” FTP, name this actress who played the title heroine in “There’s Something About Mary.”

Answer: **Cameron Diaz**

13. Set in Victorian England, its cynical tone reflects the Weimar culture of its author, who wanted the play to alienate the bourgeois audience. It focuses on Polly Peachum and her father, who is head of the beggars. Macheath is the scoundrel who personifies corruption and depravity. Featuring the famous Kurt Weill song “Mack the Knife,” FTP this is what drama by Bertolt Brecht based on Gay’s “The Beggar’s Opera”?

Answer: The **Threepenny Opera** or **Das Dreigroschenopern** [do not accept The Beggar’s Opera – the Weimar clue means it would not be correct]

14. Oral preparations of this drug known to the ancients include a diluted tincture combined with camphor called paregoric, and a deodorized tincture called laudanum. Its 1803 refinement into a common pain reliever marks the beginning of the modern era of medical drugs. FTP, name this dark, gummy solid which can be refined into morphine and whose lucrative trade sparked conflicts between the British and the Chinese?

Answer: **opium**

15. It first emerged in 1980 after shipyard strikes organized by the Free Union of the Baltic Coast. In response, Prime Minister Wojciech (voi-check) Jaruzelski (yair-uh-zul-ski) imposed martial law and arrested many of the movement’s leaders. FTP name this Polish trade-union movement led by Lech Walesa.

Answer: **Solidarity**

16. The theft of Mambrino’s helmet (which is really a gold wash basin) from a frail old barber. A descent into the Cave of Montesinos, where the title character learns of a man named Durandarte, whose story of unrequited love is much like his own. The sale of parcels of land to buy books of chivalry to put in his library, which is then walled up by the curate and the barber. FTP, all these things happen to what character who also famously titled at windmills, as created by Miguel de Cervantes?

Answer: **Don Quixote**

17. This law automatically obeys Newton's Third Law, and is the electrostatic analog of the Biot-Savart Law. The principle of superposition together with this law can be used to derive Gauss's Law, which hinges on the fact that it is a “one over r squared” law. In SI units it contains the constant one over four pi times the permittivity of free space. FTP name this law useful in calculating the force between two charges.

Answer: **Coulomb's Law**

18. This man lost power for the final time in Ayutla's revolt. From 1836-39 he defended Vera Cruz against the French, having earlier served as governor of Vera Cruz under Iturbide. However, he overthrew Iturbide in 1822 and soon became President. FTP, who was this Mexican leader who lost the Mexican War and the Texan Revolt.

Answer: Antonio Lopez de **Santa Anna**

19. His literary influence came more from his personality than from his works. Only late in life did he write works of significant value, five autobiographical volumes titled *Sowing, Growing, Beginning Again, Downhill All the Way*, and *The Journey Not the Arrival Matters*. But this member of the Bloomsbury Group cofounded Hogarth Press and encouraged such authors as T.S. Eliot and E.M. Forster. FTP name this man, overshadowed by his wife, the author of *To the Lighthouse* and *A Room of One's Own*.

Answer: Leonard **Woolf**

20. First sold in 1939 by the Sawyer Photographic Service in Portland, the U.S. military purchased 100,000 of these for training purposes in the 1940s. The purchase of Sawyer by GAF brought in the rights to see famous TV shows and movie images, but nature lovers were the intended target as users could see high-quality 3-D shots of Pike's Peak in an inexpensive fashion. FTP, name this low-tech toy where users could see 3-D color images on a special photo reel through a plastic viewer.

Answer: **View-Master**

21. Within a few years many of its exponents, including Othon Friesz, Georges Rouault, Maurice Vlaminck, and Andre Derain, moved on to more traditional forms, while others, such as Georges Braque, switched over to the emerging cubism. But this movement's vivid and exuberant use of color remained a major influence in the further work of its foremost proponent, Henri Matisse. FTP name this short-lived art movement of the early 1900's, whose detractors gave it its name meaning "wild beast".

Answer: the **Fauves** or **Fauvism**

22. It is shaped like a gridiron to commemorate the martyrdom of St. Lawrence. Its halls house a huge collection of paintings, with a large number of works by Rubens, but an even larger number of works by native Spaniards like Zurbaran and Murillo. FTP what is this palace retreat built by Philip II 25 miles northwest of Madrid?

Answer: El **Escorial**

23. This odd untouchable number is the smallest Wilson prime, is the smallest prime which is the average of two primes, and is probably the only number that's a member of two pairs of twin primes. FTP identify this fifth Fibonacci number, the fifth digit in the decimal expansion of pi, and the number of fingers you probably have on your hand.

Answer: **five**

1. We noted in an earlier round the number of recent films with major plot twists. We liked that question so much, here are three more from the past 10 years, all of which are ranked in the top 40 all-time by Internet Movie Database users. Without giving away the ending, name the film FTPE:
- a) Morgan Freeman plays Red, the inmate who tells the curiously uplifting story of fellow prisoner Andy Dufresne [dew-FRAINE] as played by Tim Robbins in this 1994 film ranked #2.
Answer: **The Shawshank Redemption**
- b) The first rule is, you do not talk about this #37-ranked 1999 film starring Edward Norton as the unnamed narrator and Brad Pitt as the enigmatic Tyler Durden. The second rule is, you **DO NOT** talk about this #37-ranked 1999 film starring Edward Norton as the unnamed narrator and Brad Pitt as the enigmatic Tyler Durden.
Answer: **Fight Club**
- c) Ranked #10, Guy Pearce stars as Leonard Shelby... wait, we already used that one. OK, then, Kevin Spacey won his first Oscar for his performance as Verbal Kint, the small-time crook who tells about a plot organized by the mysterious Keyser Soze [SOH-zay] in this 1995 film ranked 16th.
Answer: **The Usual Suspects**
2. FTPE name these ancient civilizations of the Americas:
- a) Flourishing from the 12th through 4th centuries BC, this culture was centered in La Venta and strongest around the southern coast of the Gulf of Mexico. Its art featured high-quality jade and stone carving, especially giant human heads.
Answer: **Olmec**
- b) At its height from the 3rd through 9th centuries AD, this Central American civilization produced skilled potters and weavers and productive farming. They practiced blood sacrifice and built great temple-cities using stepped pyramids.
Answer: **Maya or Mayans**
- c) This Shoshonean-speaking tribe, with about 6,000 members in 11 villages in Coconino Co., Arizona, is considered to have the purest form of pre-Columbian life to have survived today in the U.S.
Answer: **Hopi**
3. Name the American poems from quotes FTP. If you need the poet's name, you'll have to settle for 5:
- a) 10 pts.: "By the shores of Gitchee-Gumee, by the shining big sea waters, stood the wigwam of Nokomis..."
5 pts.: Henry Wadsworth Longfellow
Answer: **"Hiawatha" or "Song of Hiawatha"** [alternate title often used for excerpts]
- b) 10 pts.: "Hog butcher of the world"
5 pts.: Carl Sandburg
Answer: **"Chicago"**
- c) 10 pts.: "But we loved with a love that was more than love..."
5 pts.: Edgar Allan Poe
Answer: **"Annabel Lee"**
4. Even their deities were mostly stolen. F5PE name the Roman equivalents of these Greek gods:
- a) Poseidon
Answer: **Neptune**
- b) Athena
Answer: **Minerva**
- c) Cronus
Answer: **Saturn**
- d) Hephaestus
Answer: **Vulcan**
- e) Selene
Answer: **Luna**
- f) Eos
Answer: **Aurora**

5. Name these parts of a plant from definitions, 5-10-20-30:

a) The female sex structure of a plant, usually containing the ovary.

Answer: **pistil**

b) The pollen-producing structure, commonly consisting of the actual pollen producers on the tips of flower filaments.

Answer: **stamen**

c) The actual pollen producer which with that filament makes up the stamen.

Answer: **anther**

d) The collective name for the protective covering of the inner flower formed by the sepals.

Answer: **calyx**

6. Given a list of past or present Prime Ministers, name the nation on a 10-5 basis.

a) 10 pts.: John Diefenbaker, Lester Pearson, Kim Campbell

5 pts.: Alexander Mackenzie, Pierre Trudeau, Jean Chretien

Answer: **Canada**

b) 10 pts.: H.D. Deve Gowde, Atal Behari Vajpayee

5 pts.: Jawaharlal Nehru, Indira Gandhi

Answer: **India**

c) 10 pts.: Levi Eshkol, Moshe Sharett

5 pts.: Golda Meir, Menachem Begin, Ariel Sharon

Answer: **Israel**

7. FTPE name these mathematical theorems with something in common:

a) Any positive integer n can be represented in exactly one way as a product of primes.

Answer: **Fundamental Theorem of Arithmetic**

b) Every polynomial equation having complex coefficients and degree $n > 0$ has n total complex and real roots and at least one real root.

Answer: **Fundamental Theorem of Algebra**

c) If $A(x)$ is the integral of $f(x)$ from a to x with respect to x , $f(x) = A'(x)$ [read $f(x)$ is the derivative of $A(x)$].

Answer: **Fundamental Theorem of Calculus**

8. FTPE, name the French Nobel Prize winning authors who wrote the following.

1. (10 points) "The Stranger"

Answer: Albert **Camus**

2. (10 points) "No Exit"

Answer: Jean Paul **Sartre**

3. (10 points) "The Immoralist"

Answer: Andre **Gide**

9. FTPE name the English artists of the following works:

a) "Scenes from the Massacre at Chios" and "The Hay Wain"

Answer: John **Constable**

b) "Wreck of a Transport Ship" and "Rain, Steam, and Speed"

Answer: J.M.W. **Turner**

c) "Robert Andrews and Mary His Wife", "Blue Boy"

Answer: Thomas **Gainsborough**

10. Identify the following useful electronics components FTPE.

10) Typical examples of these devices include pn-junctions. They can be made by joining two different types of semiconductors, and they only allow current to flow in one direction.

Answer: **diodes**

10) These devices consist of two coils of wire attached to different circuits. Electrical energy can be transferred from one coil to the other, allowing power to be stepped up or down.

Answer: **transformers**

10) The solid-state analog to the triode electric tube, it replaced the triode tube in virtually all common amplification and switching applications. Two important categories of these are junction and field-effect.

Answer: **transistors**

11. FTPE, name these characters from "Othello":

1. (10 points) This ensign is embittered to be passed over as chief lieutenant in favor of Cassio, and plots to ruin Othello.

Answer: **Iago**

2. (10 points) Iago plots to make Othello jealous of this woman, Othello's wife and daughter of Brabantio.

Answer: **Desdemona**

3. (10 points) Iago's treachery is discovered by this wife of Iago, who denounces him.

Answer: **Emilia**

12. Before the 2001-2002 college basketball season began, Dick Vitale singled out six schools with "super, scintillating, sensational" backcourt duos. And sure enough, three of those schools did well enough to be #1 seeds in this March's madness. Given the point and shooting guards, name the school FTPE:

a) Jason Williams, Chris Duhon

Answer: **Duke**

b) Kirk Hinrich, Jeff Boschee

Answer: **Kansas**

c) Steve Blake, Juan Dixon

Answer: **Maryland**

13. FTPE name the non-Italian composers of these operas:

a) Fidelio

Answer: Ludwig van **Beethoven**

b) Boris Godunov

Answer: Modest **Mussorgsky**

c) Hansel and Gretel

Answer: Engelbert **Humperdinck**

14. Name the 20th century Presidential first runner-up from their running mate FTPE or from the year and winner for 5:

a) 10 pts.: Geraldine Ferraro

5 pts.: Ronald Reagan, 1984

Answer: Walter **Mondale**

b) 10 pts.: John Sparkman once, then Estes Kefauver (who, I might add, practiced law for many years in... Chattanooga)

5 pts.: Dwight Eisenhower in both 1952 and 1956

Answer: Adlai E. **Stevenson**

c) 10 pts.: Edmund Muskie

5 pts.: Richard Nixon, 1968

Answer: Hubert **Humphrey**

15. Identify the following organic compounds from formulas FTPE:

a) CH₂O

Answer: **formaldehyde** (or methanal)

b) CH₃CH₂OH

Answer: **ethanol** or **ethyl alcohol** (prompt for more information on "alcohol")

c) CH₃COCH₃

Answer: **acetone** (or propanone or dimethyl ketone)

16. Sometimes it's quantity rather than quality that is an author's hallmark. FTSNOP name these prolific novelists:

a) 5 pts.: The reigning champion of high volume output is this author, who's been around long enough that some of his earlier works, such as *Carrie* and *The Shining*, are beginning to be recognized as literature.

Answer: Stephen **King**

b) 5 pts.: Many critics say the first novel by this crank-'em-out specialist, *A Time to Kill*, remains his best.

Answer: John **Grisham**

c) 10 pts.: Besides his many sequels to *Tarzan the Ape-Man*, he also had a multi-volume science fiction series featuring space traveler John Carter.

Answer: Edgar Rice **Burroughs**

d) 10 pts.: Most of his 131 novels were immensely popular Westerns, the most enduring being *Riders of the Purple Sage*.

Answer: Zane **Grey**

17. Two U.S. states have their state capitals on the banks of the Mississippi River, and three more are on the banks of its largest tributary, the Missouri. F5PE or 30 for all 5, name those capital cities.

Answers: **St. Paul (MN), Baton Rouge (LA), Bismarck (ND), Pierre (SD), Jefferson City (MO)**

18. Even if you've never heard of it, the Marines still sing about it. Answer the following on the Tripolitan War FTPE. What general name designates the Muslim pirate states of northern Africa which were harassing Western shipping?

Answer: **Barbary pirates**

What president sent warships to fight the Barbary pirates?

Answer: Thomas **Jefferson**

What future hero of the War of 1812 led the daring burning of the captured ship Philadelphia in 1804?

Answer: Stephen **Decatur**

19. FTPE answer the following about widely-used quotations from the Bible:

a) Quotes from this Old Testament book include "I have been a stranger in a strange land" and "a land overflowing with milk and honey."

Answer: **Exodus**

b) The often-quoted 13th chapter of this New Testament book includes "And now abideth faith, hope, charity, these three ..." and "Now we see through a glass, darkly."

Answer: **I Corinthians**

c) The shortest verse in the Bible, John 11:35, describes the grief that precedes the raising of Lazarus from the dead. FTP give the entire text of that verse.

Answer: **"Jesus wept"**

20. Identify the following miscellaneous science terms FTP each.

(A) This term describes trees and shrubs that shed their leaves before the onset of winter or a dry season.

Answer: **deciduous**

(B) This substance is the main protein of milk and the main component of cheese.

Answer: **casein**

(C) These unsaturated compounds are characterized by one or more double bonds between adjacent carbon atoms. Ethene and propene are examples.

Answer: **alkenes** [not alkane or alkyne – if in doubt, make them spell it]

21. Name these important anthropologists FTPE.

Considered the father of American anthropology, he introduced the rigor of the scientific method to cultural studies, influencing many important students at Columbia.

A. Franz **Boas**

A student of Boas, this woman introduced the configuralist approach, which tried to identify a culture's central ethos. Her best-known work is probably *The Sword and the Chrysanthemum*.

A. Ruth **Benedict**

Another student of Boas, this woman's work *Tell My Horse* was an exposition of voodoo practices in the Caribbean. She may be better known for fiction writing, however.

A. Zora Neale **Hurston**