

1. He was left to die on Mt. Cithaeron, but a shepherd rescued him, and he grew up in Corinth. In an attempt to escape his destiny, he fled the city, killing a man at a crossroads. He defeated the monstrous Sphinx and married Queen Jocasta before going mad and blinding himself. FTP, what king of Thebes discovered that he had killed his father and married his mother?

Answer: **Oedipus**

2. This man was always known for simple solutions to seemingly insurmountable health problems. He introduced a valve in 1964 that would drain blood and air out of the chest cavity of gunshot victims, which saved the lives of thousands of Vietnamese and American Soldiers during the Vietnam War. In 1980 he introduced a Micro Trach [TRAKE] that received immediate approval by the FDA. But he is most famous for something far simpler. FTP name this man who suggested that a quick upward thrust by one's fist be applied to the diaphragm to help someone that's choking.

Answer: Henry **Heimlich**

3. Once largely confined to uneducated populations in rural areas, the many Protestant denominations associated with this movement sometimes practice snake-handling, foot washing, and other rituals. They share little in the way of doctrine except the belief that through the Holy Spirit, the events described in Acts 2:4 on the seventh Sunday after Easter can happen in the modern world. FTP identify this religious movement whose largest denomination is the Assemblies of God and whose worship services are characterized by glossolalia, or speaking in tongues.

Answer: **Pentecostal** churches (accept Pentecostalism, etc.; prompt on "charismatic")

4. Her name was Dolores, but she went by Dolly at school. He, however, called her something different. Humbert Humbert's strange infatuation with her would lead the pair on an ill-fated road trip, where she would leave him for Clare Quilty, then eventually die giving birth. FTP name this Vladimir Nabokov novel about a nymphet.

Answer: **Lolita**

5. After the discovery of Uranus (hee hee), it was noticed that its orbit was not as it should be in accordance with Newton's laws. That led to the discovery of this body, first observed in 1846 – although it had been seen by Galileo in 1613, he thought it was just a star. The fourth largest planet by diameter, it is sometimes the ninth planet from the sun when Pluto's orbit wanders inside of this planet's trek. FTP, identify this gas planet, named for the Roman god of the sea.

Answer: **Neptune**

6. He is the author of absurdist plays like *The Garden Party*, the essay "The Power of the Powerless," and several writings from his years in prison from 1979 to 1983. A founding member of the Charter 77 group opposed to Communist rule, he emerged in 1989 as leader of the Velvet Revolution and was elected president after the Communists fell. FTP name this writer, intellectual, and former politician, whose years as president of the Czech Republic ended on February 2, 2003.

Answer: Vaclav **Havel**

7. Ever since being denied the autograph of Sugar Ray Robinson, this man swore he would never turn anyone down; the number of requests he receives is still enormous. As one of the most famous conscientious objectors in American history, however, he did refuse to report for military duty in Vietnam, reportedly saying, "I ain't got no quarrel with the Viet Cong" and "No Vietnamese ever called me nigger". This led to the loss of the championship title of FTP this famous boxer, whose birth name was Cassius Clay.

Answer: **Muhammad Ali**

8. Its charge was measured with great precision in the early 20th century by R.A. Millikan, through his famous series of oil drop experiments. Their existence was confirmed in the early 20th century by J.J. Thomson, who was investigating cathode rays. He proposed that the rays were streams of particles smaller than atoms; in fact, they were pieces of atoms he called "corpuscles," later to be known as, FTP, what important part of the atom, whose discovery predated both the proton and neutron?

Answer: **electron**

9. He was wounded in the battle of Lepanto, and while returning to Spain in 1575 was captured by Barbary pirates and sold as a slave to the viceroy of Algiers. Ransomed in 1580, his first published work, *La Galatea*, appeared in 1585. Part I of his most famous work did not appear until 1605, when he was 58, and the tale of a country gentleman and his squire, Sancho Panza, would not be finished until 1615. FTP, identify this Spanish author best known for *Don Quixote*.

Answer: Miguel de **Cervantes** Saavedra

10. Peace talks in this country were held up in February 2003 by an infestation of wild pigs at the site of negotiations, bad news for the predominantly Muslim delegates. The negotiations were to help bring the warlords who control various regions of the country under a central government, which would be this East African nation's first since the overthrow of President Mohamed Siad Barre in 1991. FTP name this country, site of an attempted U.S. humanitarian intervention in 1992 and 1993.

Answer: **Somalia**

11. Kristine is a widower and therefore needs to work; Nora, however, has a husband, so by the morality of the time, she should not work. Krogstad finds out about Nora's secret income, as well as the legal documents she signed without her husband Torvald's knowledge, and tells Torvald. The ordeal makes Nora realize that as Torvald's wife, she can never be a real woman – and so she leaves him at the conclusion of FTP this startlingly feminist 1879 play by Henrik Ibsen.

Answer: *A Doll House* or *A Doll's House* or *The Doll House* or *The Doll's House* (you get the idea)

12. In computer science, it can refer to a set of bit locations, a set of adjacent columns on a punch card, or any element of a database in which a piece of information is stored. In mathematics, it is any set of elements for which multiplication is distributive over addition, for which the set is a group under addition, and for which the elements form a group under multiplication. But the most common usage for FTP this term is in physics, in which it is a region of space in which a force – usually electromagnetic – has a certain value at every point.

Answer: **field**

13. Examples of this style include Alfonse Mucha's (MOO-ha) ads for Sarah Bernhardt performances, Toulouse-Lautrec's dancehall posters, and Tiffany lamps – not only due to the amount of ornamentation with lines and natural imagery, but also because of the belief that art should be well-made and serve some function. The incorporation of text in elegant scripts and close attention to and embellishment of detail are other hallmarks of FTP this late-nineteenth and early-twentieth century movement, French for “new art.”

Answer: **Art nouveau** (accept **Jugendstil**, if someone actually buzzes in with that)

14. Under this President, the United States sent troops to Nicaragua, Haiti, the Dominican Republic, Panama, Cuba, and Mexico, 11 times. He questioned the loyalty of those he called “hyphenated Americans,” saying that “any man who carries a hyphen about with him carries a dagger that he is ready to plunge into the vitals of this Republic whenever he gets ready”. He is better known today, though, for the Palmer Raids against labor unions and his advocacy of the League of Nations. FTP, name this 28th President of the United States.

Answer: Woodrow **Wilson**

15. First heard in Prague in 1787 by an enthusiastic audience, today a plaque marks the spot where “The Maestro” conducted the premiere. Arias include Leporello's “Il Catalogo,” Donna Anna's “Or sai chi l'onore,” and Donna Elvira's “Ingiusto core” – but none are as famous as the final scene, in which the Commendatore reappears to take the title character to hell for his sins – his many, many sins. FTP name this Mozart opera, in which divine justice is brought to an unrepentant cad and ladies' man.

Answer: *Don Giovanni*

16. Born in 1883, this man attended King's College Cambridge, after which he became a professor and worked in the English civil service. Disliking the economic policies of the day, especially the Germany's heavy reparation payments after World War One, he devised his own theories of economics, which encouraged governments to run budget deficits in slow times to keep employment high. FTP name this economist famous for writing the landmark treatise, *General Theory of Employment, Interest and Money*.

Answer: John Maynard **Keynes**

17. Rue McClanahan, Ruthie Henshall, Katharine Helmond, Ricki Lake, Julie Kavner, Ana Gasteyer, and Gina Gershon have all appeared at the Westside Theater in New York to ask – and answer – questions like “What does it smell like? What about hair?” Alanis Morissette chose to sing, instead of read, the piece about what you can name it. FTP name this 1997 Eve Ensler theatrical work about women, sex, feminism, and vaginas.

Answer: *The Vagina Monologues*

18. A monument to his leg can be found at the Saratoga National Historic Park on the spot where he fell wounded during the Battle of Freedman’s Farm. Despite his gallantry, the Continental Congress refused to reinstate his commission. While recuperating, he became embittered, and just a year and a half later attempted to hand West Point over to the British. FTP, identify this infamous traitor who thereafter fought with the British during the American Revolution.

Answer: **Benedict Arnold**

19. The man who discovered this rule was the son of a military general, but was so nearsighted that he could not serve in the French military. So instead he took up mathematics, exploring the new subject of the differential calculus with Jean Bernoulli. He is most famous for his law about the evaluation of limits. FTP, give the name of this man, whose rule gives the limit of functions at points that are indeterminate when computed directly.

Answer: Guillaume de **L'Hôpital** [pronounced low-pee-TAHL, but be lenient]

20. Mitch goes from being a jilted boyfriend to being the Godfather. Frank goes from a happy newlywed to living full-time at the Lambda Epsilon Omega house. Beanie is forced to take time away from his Speaker City stores to try and take a test, and Blue – well, Blue dies in, FTP, what 2003 college comedy starring Luke Wilson, Vince Vaughn, and Will Ferrell?

Answer: *Old School*

21. The youngest is illegitimate, sickly, smelly, and just generally evil. Mitya is handsome, passionate, and, at the end of the book, on trial. Alyosha is kind and thoughtful, and wants to be a monk but is having some problems with faith, thanks to older brother Ivan, the cynical intellectual whose hopes for a successful life as a writer are ruined when he goes insane. They are the protagonists and title characters of FTP this psychological masterpiece by Fyodor Dostoevsky.

Answer: *The Brothers Karamazov*

22. Most living Earth organism rely on soil-based materials that contain this element, though it is both far more concentrated and readily obtainable in the air, and a lack of this element in the soil leads to deficient plant growth due to inability to construct any and all amino acids. FTP, name this element that cycles across three stages of assimilation, ammonification, and—most obviously—nitrification.

Answer: **Nitrogen**

23. She’s not Winona Ryder, but this actress was arrested for shoplifting in the May Company department store after she had forgotten to pay for some merchandise in her handbag. She also invented a radio guidance system for torpedoes that was used in World War II and a data encryption system used in cell phones. Her film roles included parts in *Algiers* and *White Cargo*. FTP, name this actress, who settled out of court in a suit against Mel Brooks for mocking her name in *Blazing Saddles*.

Answer: Hedy **Lamarr**

24. He hailed from Norwood, Michigan, and received his nickname while a student at Beloit College. He began his work at the Sioux City Journal in 1901, and was nationally syndicated in the New York Tribune from 1917 to 1949. His criticisms of the New Deal are not as widely known as his support of conservation efforts. FTP name this 1924 and 1943 Pulitzer Prize-winning cartoonist for the Des Moines Register.

Answer: Jay Norwood "Ding" **Darling**

1. Identify these works by noted American author John Steinbeck, ten each.

This novel is the story of the Joad family, who are forced off their land in dust bowl Oklahoma and travel to California in order to find a better life.

Answer: ***The Grapes of Wrath***

The title object is found after Coyotito, infant son of Kino, is bitten by a scorpion but refused medical attention because Kino has no money. Kino then finds the object, but refuses to sell.

Answer: ***The Pearl***

Actually a collection of four short stories, this work follows Jody Tiflin, who watches helplessly as the title creature is killed in the first story, titled "The Gift."

Answer: ***The Red Pony***

2. Identify the following gas laws from a description, ten each.

The pressure of a fixed amount of gas maintained at a constant temperature is inversely proportional to the gas's volume.

Answer: **Boyle's Law**

At constant temperature and pressure, the volume of a gas is directly proportional to the number of moles of the gas present.

Answer: **Avogadro's Law**

The volume of a fixed amount of gas maintained at constant pressure is directly proportional to the absolute temperature of the gas.

Answer: **Charles' and Guy-Lussac's Law**

3. Identify these forms of music well-known to Johann Sebastian Bach FTPE.

This is a major composition on a religious subject with solo singers, a chorus, and an orchestra, but without action, costumes, or scenery. Bach composed a few, but the best known is Handel's "Messiah".

Answer: **Oratorio**

Shorter than an oratorio but generally of the same form, this type of work could be either religious or secular. Bach wrote some three hundred, including the well known "Wachet Auf" and a comedic one about a love for coffee.

Answer: **Cantata**

This piece involves a theme being set by one instrument, then echoed and varied by the other instruments. Bach's most famous ones were one in G Minor and another that was coupled with a Toccata, in D Minor.

Answer: **Fugue**

4. Answer the following about the beginnings of the French Revolution, ten each.

He was the king of France before and during the Revolution – his reward was to be a victim of Robespierre's guillotine.

Answer: **Louis XVI (Prompt on Louis)**

Louis bowed to pressure in 1787 and agreed to convoke this legislative body, which had not been convened since his great grandfather, Louis XVI, did so in 1614.

Answer: **Estates-General**

In 1789 the remnants of the Estates-General were locked out of their meeting place. Sensing a royal move to destroy them, they swore not to disperse until a new Constitution was ratified, and this oath still bears the name of their alternate meeting location.

Answer: **The Tennis Court Oath**

5. The Horn of Africa has been a troubled region for many years. Identify these countries that occupy the region, FTPE

Under foreign occupation for only 5 years of its history, a 1974 coup by the Derg and a series of droughts helped make the famine this country endured in the 1980s one of the worst the world has ever seen.

Answer: **Ethiopia**

This former province of Ethiopia won a 30 year civil war in 1991, voted for independence, and in 1998 began a 2 year war against Ethiopia over border disputes.

Answer: **Eritrea**

This country, with an eponymous capital city, has given diplomatic recognition to a breakaway region of Somalia known as Somaliland, despite the reticence of the rest of the world to do so.

Answer: **Djibouti**

6. Given an animal or animals, give the phylum to which it belongs. Five points each plus a bonus five for all correct.

(5) Sponge.

Answer: **Porifera**

(5) Jellyfish, corals

Answer: **Cnidaria**

(5) Flatworms

Answer: **Platyhelminthes**

(5) Oysters, snails

Answer: **Mollusca**

(5) Lobster, spider

Answer: **Arthropoda**

7. Given a novel, name the author F5P and the war during which it is set for another 5 points:

From Here to Eternity

Answer: James **Jones**, **World War II**

Going After Cacciato

Answer: Tim **O'Brien**, the **Vietnam War**

The Killer Angels

Answer: Michael **Shaara**, the U.S. **Civil War** (accept equivalents)

8. FTPE it's time for some integration; papers and pencils may be necessary. You will have 10 seconds for each part. First, integrate from 0 to π , $\sin \theta$ times $d\theta$.

Answer: **2**

Next, integrate from 0 to 3, the quantity $x^2 + 2x + 1$ times dx .

Answer: **21**

Finally, integrate from 1 to 2 for x and from 0 to x for y , $4x^2 dy$ times dx .

Answer: **15**

9. What does it take to run a country? Charisma? Intelligence? Or a cadre of brutal thugs at your command? Answer these questions about long-serving dictators FTPE.

This dictator of the Philippines won the presidency in 1965 and held it until he was overthrown in a 1986 revolt.

Answer: Ferdinand **Marcos**

After winning the Spanish Civil War, this general remained in power for another 37 years, until his death in 1975.

Answer: Francisco **Franco**

The longest-serving head of state in the world today is this despot, who has commanded his country since ousting Fulgencio Batista in 1959.

Answer: Fidel **Castro**

10. Identify these bad boys of the NBA, ten each.

This Indiana Pacer is having his best NBA season this year, but his on and off court battles, including a memorable exchange with Pat Riley, have earned him two suspensions this season.

Answer: Ron **Artest**

One of many Portland Trailblazers in constant hot water, he earned a seven game suspension in January for threatening a referee, and is currently being prosecuted for misdemeanor marijuana possession.

Answer: Rasheed **Wallace**

During the pre-season, the Lakers-Kings rivalry became heated when a player from the Lakers confronted a King walking to the locker room, resulting in a brief fistfight. Name either the Laker or the King for the points.

Answer: Rick **Fox** (Lakers), Doug **Christie** (Kings)

11. Identify these related religious terms from a description, ten each.

They are faith, prayer, concern for the needy or *Zakat*, self-purification through fasting, and the pilgrimage to Mecca.

Answer: The **Five Pillars** of Islam

It is Right View, Right Intention, Right Speech, Right Action, Right Livelihood, Right Effort, Right Mindfulness, and Right Concentration.

Answer: The Noble **Eightfold Path** (Buddhism)

They include statements such as "You shall not murder," "You shall not make wrongful use of the name of the Lord your God," and "Remember the Sabbath Day, and keep it holy."

Answer: The **Ten Commandments**

12. Identify the following simple machines from descriptions, ten points each.

(10) A cylindrical rod incised with one or more helical or advancing spiral threads.

Answer: **screw**

(10) A simple machine used to raise or lower objects by rolling or sliding and consists of a flat surface that makes an acute angle with the horizontal.

Answer: **inclined plane**

(10) Consisting of a rigid bar pivoted on a fixed point, it is used to transmit force, as in raising or moving a weight at one end by pushing down on the other

Answer: **lever**

13. Name these twentieth-century female authors, FTPE.

a) She is perhaps the most important female modernist author, and wrote works such as *Orlando* and *To the Lighthouse*.

Answer: Virginia **Woolf**

b) This confessional poet published the collections *Ariel* and *The Colossus* in addition to her only novel, *The Bell Jar*.

Answer: Sylvia **Plath**

c) She wrote *The Autobiography of Alice B. Toklas*, *The Mother of Us All* and coined the phrase "The Lost Generation."

Answer: Gerturde **Stein**

14. Name these characters from Chicago, for 10 points each:

A. Portrayed by John C. Reilly, this man who sings "Mister Cellophane" is Roxie's husband.

Answer: **Amos Hart**

B. Played by Catherine Zeta-Jones, she killed her sister Veronica and her husband Charlie at the Hotel Cicero when she found them doing number 17, the Spread Eagle.

Answer: **Velma Kelly** (accept either)

C. This Richard Gere character claims in "Razzle Dazzle" that his legal strategy is to "give 'em a show that's so splendiferous, row after row will grow vociferous."

Answer: William "Billy" **Flynn**

15. Answer these questions about notable ships in US naval history FTPE.

Named for Benjamin Franklin's pen name, it was the first American ship to record a victory in naval combat, when John Paul Jones commanded it and defeated the British warship *Serapis* during the American Revolution.

Answer: **Bonhomme Richard**

This ship, famous for its exploits during the War of 1812, is the oldest ship still officially in service with the U.S. Navy. Despite being made of wood, it was nicknamed "Old Ironsides".

Answer: **USS Constitution**

Japanese officials signed the official document of surrender aboard this Iowa-class battleship in 1945. It is now a floating museum.

Answer: **USS Missouri**

16. Identify the authors of the following "colorful" works for ten points each.

1. "The Yellow Wallpaper"

Answer: Charlotte Perkins **Gilman** [accept Perkins]

2. *Riders of the Purple Sage*

Answer: Zane **Grey**

3. *A Study in Scarlet*

Answer: Sir Arthur Conan **Doyle**

17. Answer these questions about Renaissance architecture FTPE.

(10) This man designed the dome of the Florence Cathedral in the early 15th century.

Answer: Filippo **Brunelleschi**

(10) In addition to sculpting the David, he also rebuilt the Basilica of St. Peter's in Rome, in addition to painting the Sistine Chapel.

Answer: **Michelangelo** Buonarotti

(10) In addition to designing the church of the Redeemer in Venice and the Villa Rotonda in Vicenza, his classicism influenced Inigo Jones and Thomas Jefferson.

Answer: **Palladio**

18. FFPE and a bonus five for all correct, given a vice president of the US, name the president under whom he served.

Hannibal Hamlin

Answer: Abraham **Lincoln**

Harry S. Truman

Answer: Franklin Delano **Roosevelt**

Walter Mondale

Answer: Jimmy **Carter**

Hubert H. Humphrey

Answer: Lyndon B. **Johnson**

Nelson Rockefeller

Answer: Gerald **Ford**

19. FTPE, state the following terms in basic physics, given their definitions.

10: The rate of change of position along a straight line with respect to time; the derivative of position with respect to time.

Answer: **Velocity**

10: Any rate of change of velocity with respect to time.

Answer: **Acceleration**

10: The magnitude of a velocity irrespective of direction.

Answer: **Speed**

20. Speak English, do you? It won't help you on this bonus. FTPE given the definition of a phrase, identify it in its mother tongue.

10: This French phrase for a "pen name" originates from the time when writing was done with a quill, and still carries that meaning.

Answer: **nom de plume**

10: A Latin phrase literally meaning "after it, therefore, because of it," it gives its name to the logical fallacy that correlation proves causation.

Answer: **post hoc ergo propter hoc**

10: Derived from a Yiddish term for the male reproductive organ, in English it refers to a bumbling, untalented jerk.

Answer: **schmuck**

21. The identification system used by the Nazis in ghettos, prisons, and concentration camps included a yellow Star of David for Jews, as well as insignia for other groups. FTPE given a symbol, name the type of prisoners who wore it.

Pink triangle

Answer: Male **homosexuals** or **gays** (lesbians were made to wear black triangles)

Red triangle

Answer: **Communists** or **socialists** or **leftists** (prompt on "political prisoners")

Brown triangles

Answer: **Gypsies** or **Roma** (accept equivalents)

22. Answer these questions about groundwater F15PE.

15: Groundwater is most often stored in these large, porous, and permeable rock bodies which in turn provide most of the freshwater used in agricultural activities – one example being the Ogallala that stretches from North Dakota to Texas.

Answer: **aquifer**

15: When an aquifer is blocked by impermeable rocks, the resulting pressure may be great enough to allow wells that do not require pumping to be drilled, as the water will naturally force itself out of the ground. For a final 10, name this kind of well.

Answer: **Artesian well**

23. Give the 7 layers of taxonomic classification used by biologists *in order* FFPE or a maximum of 30 points. The order can be given from largest group to smallest, or vice versa.

Answer: **Kingdom, Phylum, Class, Order, Family, Genus, Species**

24. Tell whether the statement given refers to the psychoanalytic definition of conscious, preconscious, or unconscious FTSNOP.

5: Information in this domain is readily available when it is not being thought of.

Answer: **preconscious**

5: Even through introspection, information in this domain is inaccessible to its holder.

Answer: **unconscious**

10: The latent content of dreams comes almost exclusively from repressed impulses in this domain.

Answer: **unconscious**

10: Death instincts, but not life instincts, are completely located within this domain.

Answer: **unconscious**