

1) Unable to reconcile his inner poetic fantasies with the demands of everyday life, he heads to the country to get his head together. There he falls in love with Charlotte Bugg, an uncomplicated woman who just happens to be engaged to his friend Albert. Unrequited love plus perception of emptiness of life equals suicide. FTP name this protagonist, or the 1774 Sturm und Drang novel featuring him, written by Johann Goethe.

Answer: (The Sorrows of Young) **Werther** [accept Die Leiden des jungen Werthers from showoffs]

2) For the love of the daughter of the King of Chios, he cleared that island of wild beasts. While drunk, he insulted the maiden, and her father had him blinded with the help of Dionysus. He got his vision restored at the island of Lemnos, and then went to Crete and became Artemis' huntsman. Nevertheless, at the end the goddess killed him. FTP, identify this giant, who was placed into the heavens where today he wears a belt and carries a sword and club.

Answer: **Orion**

3) There are allegations that he invented blood doping. Born in 1897 in southern Finland, he won three golds and one silver at Antwerp in 1920, five golds at Paris in 1924, and one gold and two silvers in Amsterdam in 1928, dominating the fields of middle and long distance running. Apart from these victories, he set 25 world records at distances between 1500 meters and 20000 meters throughout his twelve-year career. FTP, identify this "Flying Finn."

Answer: **Paavo Nurmi**

4) In mathematics, it holds only for linear operators, and any operator that satisfies it is called a linear operator. In circuit analysis, it is used to find the voltage and current response of a linear network to a number of independent sources by summing the responses obtained by applying each independent source once with other independent sources set equal to zero. In physics, it states that when two or more waves of the same nature travel past a point at the same time, the instantaneous amplitude there is the sum of the instantaneous amplitudes of the individual waves. FTP, identify this heroic sounding idea.

Answer: principle of **superposition** OR superposition theorem

5) Historians who have chronicled include David Chalmers, Wyn Craig Wade, and Allen Trelease. In the 1920's it controlled state politics in Oklahoma, Indiana, and Oregon, and claimed over 3 million members nationwide. After its 1915 revival it was more of an urban phenomenon, belying its origin as a rural paramilitary force. FTP name this often-fragmented organization, which has risen and fallen several times since its 1866 founding in Pulaski, Tennessee.

Answer: **Ku Klux Klan**

6) QUOTE: "A dollar in the hands of a rich person is worth less than a dollar in the hands of a poor person." When the rich spend their marginal dollars on luxury goods, they contrast with the poor, who having no marginal dollars, spend only on necessities like food and clothing. This basic logic led to the formulation of a theory of redistribution of wealth from the rich to the poor. FTP, identify this economic theory of redistribution that depends upon the philosophy of Jeremy Bentham and John Stuart Mill and involves a specific unobservable and unmeasurable quantity.

Answer: **utilitarian justice**

7) His father was a country gentleman of limited means, who lost the family fortune in a depression, then went crazy, and may have killed himself. His uncle Ralph was a moneylender and shady character who couldn't stand him, and sent him to Dotheboys Hall after his father's death. He ran away and became a strolling player, then a clerk, and eventually a partner in Cheeryble Brothers. For 10 points, name this man, title character of a Charles Dickens novel.

Answer: Nicholas **Nickleby**

8) According to Native American legend, the vertical lines along its sides were the claw marks of a giant bear. Located near Hulett in Crook County, it is an isolated pillar of basalt that shows characteristic columnar cooling features. FTP identify this natural rock formation in Wyoming that resembles a giant petrified tree stump, perhaps best known for being sculpted in mashed potatoes by Richard Dreyfuss in *Close Encounters of the Third Kind*.

Answer: **Devils Tower**

9) She is mentioned in the Domesday Book of 1086 as holding many estates in Warwickshire including Coventry, inherited from her husband Leofric, Earl of Mercia. Documents show she was a generous benefactor to religious establishments and in her patronage of the arts. It appears that more than a century after her death, the medieval scribe Roger of Wendover exaggerated the extent of her generosity, particularly with respect to taxation issues affecting the poor. FTP name this Anglo-Saxon noblewoman whom legend says persuaded her reluctant husband to reduce their tax burden, at the price of her riding naked at midday through the Coventry market-place.

Answer: Lady **Godiva**

10) This chemical compound is a waxy, soft substance that melts at 44 degrees C and boils at 280 degrees C. Because of its high reactivity, it must be stored under water. It is extremely toxic, as little as .1 gram can be fatal to humans. FTP give the common name of this phosphorus compound whose atoms are arranged at the corners of a tetrahedron.

Answer: **White Phosphorus** (prompt on P₄; do not accept phosphorus as it's an element, not compound)

11) It has been viewed both as a self-portrait and as a view on German humanism during the 16th century. The winged figure in the foreground represents man's creative spirit alone with his innermost thoughts, and the ladder leaning up against the wall represents an unfinished task. Also contained in this Albrecht Durer work are an angel, a wheel, an hourglass, a balance, and a sick dog. FTP, name this work which was painted in the year shown in the two middle numbers on the bottom row in the magic square.

Answer: **Melancholia**

12) It contributed to Truman's upset of Tom Dewey in the 1948 Presidential election. It required unions to register and file financial reports with the department of Labor, outlawed closed shops and secondary boycotts, and gave the President the right to impose a "cooling-off" period to stop strikes that threaten national safety or health. FTP name this 1947 act, popularly known by the names of the New Jersey Representative and Ohio Senator who sponsored it.

Answer: **Taft-Hartley Act or Labor-Management Relations Act**

13) He was born in Andernach, Germany but grew up in poverty in San Pedro, CA. Although not technically a beat writer, his style has earned him a place in the hearts of beat fans. He was honest and humorous and wrote about such topics as hangovers, horse-racing and whores. He was also incredibly prolific and wrote books and compilations such as "Ham on Rye", "Factotum", and "The Last Night of the Earth Poems." FTP, name this honorary beat writer.

Answer: Charles **Bukowski**

14) Its first postulate states that the laws of physics have the same form in all inertial reference frames. Its second postulate is that light propagates through empty space with a definite speed c independent of the speed of the source or the observer. FTP, name this theory, which deals with inertial reference frames as opposed to accelerating reference frames.

Answer: Einstein's **Special Theory of Relativity**.

15) He began his musical instruction under Schwemmer and later at the Universities of Altdorf and Ratisbon. In 1671 he moved to Vienna and became an organist at the Imperial Chapel. In 1677 he was organist in Eisenach and in 1678 moved to Erfurt, where he taught Johann Christoph Bach. Johann Sebastian Bach admired his work and modeled his technique of chorale variation. FAQTP, name this organist and composer of "Canon in D Major."

Answer: Johann **Pachelbel**

16) His assertion of strong executive powers and his legendary arrogance led many to fear he wanted to be a dictator, but he resigned abruptly in 1947 and again in 1969 when he clearly did not have the support of the people. He served a total of twelve years as President of France, but the most important stretch may have been as Provisional President during and after liberation in 1944-1945. FTP name this general and statesman, leader of the Free French in exile during World War II.

Answer: Charles **de Gaulle**

17) The first version of this operating system was released in the late 1980s, and was expected by its creators to be enormously popular. Although it had multitasking abilities, the design was so complicated that very few applications were released for it. Later versions of the system were improvements of the original, and many experienced computer users preferred it to Microsoft Windows. For ten points, name this so-called "half an operating system," designed to be the replacement for MS-DOS and the last to be co-developed by IBM and Microsoft.

Answer: **OS/2** (accept Operating System 2)

18) Born in Scotland in 1882, he grew up in London, and studied at Trinity College, Cambridge. He was briefly an assistant editor at *Punch*, but he enlisted in the Royal Warwickshire Regiment and served in France in WWI. He married Daphne de Selincourt in 1913, and returned to Cotchfield Farm near Hartfield with her after the war, complete with its bridge and hundred acres of forest nearby. For 10 points, name this author, who expanded on the stories his wife created with their son, Christopher Robin.

Answer: **A. A. Milne**

19) In an 'X-Files' episode, residents of a small southern U.S. town began contracting this disease at a rate far exceeding the statistical occurrence in an average population. It was later discovered that the townspeople had adopted the practice of ritual cannibalism and were selectively eating members of the community, including their brains. The disease in question appears to be spread most reliably through the ingestion of infected tissue, and the brain is most affected in this case. FTP what neuro-degenerative disease in humans is believed to correlate most closely to bovine spongiform encephalopathy, or 'mad cow' disease?

Answer: **Creutzfeldt-Jakob** disease [do not accept or prompt on Mad Cow or BSE as the residents did not contract that]

20) Originally named the Unadulterated Food Corporation, it is now owned by Cadbury Schweppes, but it has had to fight recent rumors that it's really owned by Osama bin Laden's network. It presents new flavors on its website in its "nursery." It claims to use no chemical dyes, no preservatives, and no artificial flavors, and further claims to be the only major soft drink company able to make that claim. The current company name comes from a carbonated apple beverage in their original product line. FTP name this trendy maker of teas and fruit drinks "made from the best stuff on earth."

Answer: **Snapple**

21) These are divided into deictic ones, which take their meaning from context, and anaphoric ones, which take some of their meaning from a previous part of what is said or written. Types of these include intensive, reflexive, demonstrative, interrogative, relative, and personal. FTP name this part of speech that has no complete meaning itself but takes the place of a noun.

Answer: **pronoun**

22) He was born in Omaha in 1949. He suffers from dyslexia, which made it difficult for him to read and write at a young age. He has worked as a carpenter, a violinmaker, a hypnotherapist, a wildlife artist and a restorer of rare artifacts. Now he lives in the forest of Maine with his wife Jeri, and writes. FTP identify this author of Stone of Tears, the second book in the Sword of Truth series.

Answer: **Terry Goodkind**

1) Given three suburbs, identify the major U.S. city F5PE:

- | | |
|---------------------------------------|--|
| A) Golden, Edgewater, Arvada | Answer: Denver, CO |
| B) Snapfinger, East Point, Snellville | Answer: Atlanta, GA. |
| C) Keeneyville, Wheaton, Cicero | Answer: Chicago, IL. |
| D) Lynnwood, Everett, Redmond | Answer: Seattle, WA |
| E) Euclid, Lakewood, Solon | Answer: Cleveland, OH |
| F) Addison, Arlington, Plano | Answer: Dallas, TX [grudgingly accept Fort Worth] |

2) Given their last words, identify the political figure for 10 points. if you need an easier clue, you'll get 5 pts.

A) (10 pts.) "Go on, get out! Last words are for fools who haven't said enough!"

(5 points) In the aftermath of the fall of the Berlin Wall, T-shirts appeared in the former East Germany bearing this man's familiar likeness. Underneath it was, in German, "It was only a theory."

Answer: Karl **Marx**

B) (10 points) "Don't mourn for me. Organize!"

(5 pts.) Many believe this IWW organizer was innocent of the murder for which he was executed in Utah in 1915.

Answer: Joe **Hill**

C) (10) "I'm bored. I'm bored."

(5) This writer of the erotic novel *The Flame of Life* fought with epic bravery in World War I. After the war he established personal rule of the port of Fiume and supported the rise of Mussolini.

Answer: Gabriele **D'Annunzio**

3) Do you remember anything from your middle school geology class? Didn't think so, but too bad. Identify these minerals from clues for ten points each.

1: It is any of a group of chemically and physically related aluminum silicate minerals. This group of minerals is common in igneous and metamorphic rocks, and it splits into flexible sheets, usable in insulation and electrical equipment.

Answer: **Mica**

2: It is a semiprecious stone, also known as silica, which can be found in numerous valuable gems such as onyx, amethyst, and citrine. It is very hard and is used in materials such as glass and prisms.

Answer: **Quartz**

3: It is a type of silicate mineral that can be separated into thin, strong fibers that are heat resistant and chemically inert. In the past, it was widely used for insulation and fireproof materials.

Answer: **Asbestos**

4) Name these William Styron works FTPE:

a) Styron won a Pulitzer in 1968 for this vivid and complex evocation of slavery in the U.S.

Answer: **The Confessions of Nat Turner**

b) This 1979 novel told of a Polish Catholic survivor of the Holocaust and the guilt she felt for the fate of her children.

Answer: **Sophie's Choice**

c) In 1990 Styron resurfaced with this nonfiction memoir recounting his struggles with depression.

Answer: **Darkness Visible**

5) Identify the hormones from clues for ten points apiece.

1: This type of hormone is produced by the adrenal cortex, although it is not adrenaline. Its main function is to regulate carbohydrate metabolism and maintain blood pressure, but it is also administered medically as an anti-inflammatory drug.

Answer: **Cortisone** (accept corticosteroids)

2: It is secreted by the pineal gland near the center of the brain. It promotes sleep, and also suppresses the activity of the sex organs. It also helps regulate a person's circadian rhythm, and received hype in the last few years as being a wonder drug.

Answer: **Melatonin**

3: This hormone is actually considered to be an opiate, as it is chemically related to morphine. Produced by the pituitary gland, it is released in response to pain.

Answer: **Endorphin**

6) For 10 points each, identify these somewhat-related people.

a) Born in 1857, she studied at the Sorbonne before returning to the US. Renowned as a muckraker, she brought down the Rockefeller oil trust with a series of articles in *McClure's*.

Answer: Ida M. **Tarbell**

b) Born in 1862, she was the daughter of slaves who died in the yellow fever epidemic of 1878. One of the organizers of the NAACP in 1909, she was a loud-spoken voice against lynching, covering riots in Cairo, IL in 1909 & East St. Louis in 1918. Answer: Ida B. **Wells-Barnett**

c) Born in 1918, she began her film career with 1933's *Her First Affaire*. She started playing tough women early in her career, probably none better than Helen Chernen in 1942's *The Hard Way*.

Answer: Ida **Lupino**

7) Identify these characters from Greek myth whose stories are connected FTPE.

1) He was foolish enough to try to emulate the gods. He had a chariot made that made a brassy clang as it moved. Next he drove through town during a feast day to Zeus, claiming that he was the god and spreading firebrands. Suddenly he was struck dead by a thunderous bolt of lightning.

Answer: **Salmoneus**

2) She was the daughter of Salmoneus. She bore twin sons to Poseidon, but abandoned them. Years later her husband found out, divorced her, and married one of her maids. The woman treated her badly, and was later killed by her son in Hera's temple.

Answer: **Tyro**

3) He was the son of Tyro that slew the maid that was mistreating her. For killing her in Hera's temple he was later killed by his own daughters under the direction of Medea. He was Jason's uncle who sent him off to find the Golden Fleece.

Answer: **Pelias**

8) Give the terms for the following definitions from the field of physics for ten points each.

a) The amount of magnetic field in a given region.

Answer: magnetic **flux**

b) The amount of flux generated in a coil by a current in another coil.

Answer: **mutual inductance**

c) A vector representing a sinusoidally varying quantity, the length of which represents the magnitude of the quantity. These are useful in the analysis of circuits.

Answer: **phasor** (diagram)

9) For the stated number of points, name the following members of the US Davis Cup team that played against India last weekend.

5 points) Probably the most famous member of this year's team, this 19 year old is the 15th ranked player in the world. A loser in the quarterfinals of the 2001 US Open to Lleyton Hewitt, he won back-to-back ATP events in 2001 in Atlanta & Houston.

Answer: Andy **Roddick**

10 points) Not chosen to play singles in the match is the 64th ranked player in the world. He's had a down year since losing in the 2nd round of the US Open. For a career, though, he's been a runner-up in two Grand Slam events – the 1994 Australian Open (losing to Pete Sampras) and the 1999 US Open (losing to Andre Agassi).

Answer: Todd **Martin**

15 points) Chosen to play singles ahead of Martin is the 86th ranked player in the world. A Yonkers, NY native, he twice made the finals in 2001 – losing to Andy Roddick in Waikoloa in January and Irakli Labadze in Birmingham in May.

Answer: James **Blake**

10) 30-20-10-5: the name is the same, first and last.

30) Known as "the father of English geology", this civil engineer and geologist is best known for writing "A Delineation of the Strata of England and Wales with a part of Scotland."

20) A stride pianist during the 1920s, he was nicknamed "the Lion of Judea" because of his commitment to Judaism and was known as "the Lion" for short.

10) He served as a member of the American Judicature Society and was the U.S. Attorney General from 1981 to 1985.

5) His starring roles include "Six Degrees of Separation" in 1993, "Independence Day" in 1996, and "Wild Wild West" in 1999,

Answer: **William (or Willie or Will) Smith**

11) They don't sound so good in retrospect. I guess you had to be there. FTPE name these stories from the Canterbury Tales:

a) A widow's devout son is abducted by Jews who slit his throat to keep him from singing a hymn to the Virgin Mary. He keeps singing even after his throat is slit and he's thrown into a sewer, and his singing leads rescuers to him.

Answer: **the Prioress' Tale**

b) A really stupid carpenter is convinced by his friend Nicholas that Noah's flood is about to recur. He builds three lifeboats and uses one for his bed, which leaves his former bed free for his wife to frolic in with Nicholas.

Answer: **the Miller's Tale**

c) A hypocritical friar wheedles a gift from an ailing benefactor, who sets one condition – that he share it equally with his twelve colleagues. He agrees and is presented with a fart. A squire wins a coat from the friar by suggesting that he assemble his colleagues in a circle around the benefactor so he could honor his pledge and all would share equally.

Answer: **the Summoner's Tale**

12) In a recent interview, Dwayne Johnson (aka The Rock of the WWF) was asked what makes him cry. For 10 points each, answer these questions about his response.

a) In referring to his out-of-the-ring persona, he said that Dwayne always cries at the end of what 1988 Bette Midler/Barbara Hershey movie directed by Garry Marshall?

Answer: **Beaches**

b) But, in referring to his in-ring character, the Rock says he'll cry the next time he hears Pat Patterson sing what Paul Anka-penned tune, sung (among many others) by Elvis Presley, Sid Vicious, the Gipsy Kings, and most notably Frank Sinatra?

Answer: **My Way**

c) He also says that the Rock cries every time what man, *Tough Enough* trainer, Red Hook, NJ native, and Human Suplex Machine, talks on the microphone?

Answer: **Tazz** (oh, come on – you knew I had to write something about wrestling in here, didn't you?)

13) Great Britain under George III managed to piss away some really good colonies. Given a description, name the Parliamentary act or acts that helped FTPE:

a) 1767, levied taxes on glass, painter's lead, paper, and tea in the colonies

Answer: **Townshend Acts**

b) 1774, curtail Massachusetts' self-rule and bar the use of Boston Harbor till that blasted tea is paid for

Answer: **Intolerable Acts** or *Cercus Acts*.

c) 1764, placed duties on lumber, foodstuffs, molasses, and rum in the colonies

Answer: **Sugar Act**

14) Given the chemical formula of an organic compound, name it FTPE.

1) C₅H₁₂

Answer: **Pentane**

2) C₂H₅OH

Answer: **Ethanol**

3) C₂H₂

Answer: **Acetylene** or **ethyne**

4) C₆H₅CH₃

Answer: **Toluene** or **methylbenzene**

5) HO(CH₂)₂OH

Answer: **Ethylene Glycol**

6) HCHO

Answer: **Formaldehyde**

15) FTPE name the Irish authors of the following:

a) *Juno and the Paycock* and *The Plough and the Stars*

Answer: **Sean O'Casey**

b) *Playboy of the Western World* and *Riders to the Sea*

Answer: J(ohn) M(illington) **Syngé**

c) *Midsummer Night Madness and Other Stories*, *A Nest of Simple Folks*, and *Bird Alone*

Answer: Sean **O'Faolain**

16) Get in on your slice of the pi by answering FTPE these questions about that all-important irrational number:

a) Who, in 1882, proved the transcendence of pi?

Answer: Ferdinand **Lindemann**

b) One way to calculate the value of pi is to find the perimeter of polygons inscribing and circumscribing a circle. The circumference of the circle lies in between those two values, and the values approach pi as the number of sides of the polygon approaches infinity. Who originated this method of pi approximation?

Answer: **Archimedes** of Syracuse

c) Pi is ubiquitous in the branch of mathematics known as statistics. The maximum height of what famous curve is equal to $1/\sqrt{2\pi}$?

Answer: the **bell** (Gaussian) curve

17) Besides being members of the Teenage Mutant Ninja Turtles, Leonardo, Donatello, Raphael, and Michelangelo were, of course, Renaissance artists. Given the name of a work of art, identify which of the previous four artists created it for five points.

Part 1: *Madonna of the Rocks*

Answer: **Leonardo**

Part 2: The bronze statue *David*

Answer: **Donatello**

Part 3: *The School of Athens*

Answer: **Raphael**

Part 4: *Pieta*

Answer: **Michelangelo**

Part 5: *The Virgin and Child with St. Anne*

Answer: **Leonardo**

Part 6: *St. George Fighting the Dragon*

Answer: **Raphael**

18) In early 1967 three U.S. astronauts died in a capsule fire during the testing for what would have been Apollo 1. They included the second American in space and the first American to walk in space, as well as one unfortunate fellow who never got his ride. For 10 points each name those three astronauts.

Answers: Virgil "Gus" **Grissom**, Ed **White**, Roger **Chaffee**

19) Identify the poets from works for the stated number of points.

A) (10 points) "When the Year Grows Old", "Counting-Out Rhyme", "Tavern"

Answer: Edna St. Vincent **Millay**

B) (5 points) "Lines Composed a Few Miles above Tintern Abbey", "The Prelude"

Answer: William **Wordsworth**

C) (15 points) "Little Susan", "Little Libbie", "Libby Prison"

Answer: Julia A. **Moore**

20) For five points each and five more if in the correct order from earliest to latest, name the first five Roman emperors, the Julio-Claudian Emperors:

Answer: **Augustus Octavianus**, **Tiberius**, **Caligula**, **Claudius**, **Nero**

21) Given a definition, identify FTPE the term from Environmental Engineering.

1) This is the quantity generally used to describe the strength of a wastewater stream. It is the amount of oxygen needed to biologically decompose the organic material in the water.

answer: **Biochemical Oxygen Demand or BOD**

2) It is literally the amount of living material provided by a given area of the Earth's surface. It is often used to denote an alternative energy source resulting from the thermal decomposition of once living material.

answer: **Biomass**

3) Any disease causing agent, especially a bacterium or virus.

answer: **Pathogen**