

1. Born to a poor farm family in Georgia in 1879, he was the best student in his school and went on to attend a seminary on scholarship. While in the seminary he was exposed to literature which changed his political views causing him to leave the seminary and become a revolutionary. He used the bureaucratic clout of his post as Secretary of the Central Committee to outmaneuver the better-known Trotsky after Lenin's death. FTP name this man, born Josef Djughashvili, whose better-known pseudonym means, "man of steel".

Joseph Stalin

2. In a rare interview with actor Erland Josephson, he commented about how the loss of his wife Ingrid affected him -- he now wants to commit suicide rather than wasting away. He is currently producing a stage production of Strindberg's "Ghost Sonata" -- not to be confused with his film "Autumn Sonata," which co-starred another Ingrid. For 10 points, identify this director of such films as *Fanny & Alexander* and *Wild Strawberries*, whose deceased wife Ingrid did NOT appear in *Casablanca*.

Answer: Ingmar Bergman

3. They were first produced by Robert Curl, Harold Kroto, and Richard Smalley, who won the 1996 Nobel Prize in Chemistry for their research. They possess unusual qualities, such as the most recently discovered quality -- trapping molecules of helium 3, an extra-terrestrial gas which may allow researchers to study atmospheric development. For 10 points, identify this form of pure carbon.

Answer: Fullerenes (or Buckyballs)

4. Son of a Calvinist minister, he lived out the last years of his life in the Bouwerie, his New York farm. He had a wooden leg after an unfortunate expedition to San Martin, but this did not deter the Dutch West India Company from promoting him soon after. FTP name this Dutchman who ruled New Holland until its downfall in 1664 at the hands of the British.

Peter Stuyvesant

5. In 1576 this man received the island of Hven, located between Denmark and Sweden, as a favor from King Fredrik II. He constructed a castle named Uranienborg on this island, as well as an underground observatory named Stjärneborg. His idea of the world system was that the Sun revolves around the earth, but all other planets revolve around the Sun. He lost his nose in a duel with one of his students over a mathematical computation and wore a silver replacement nose for the rest of his life. FTP name this Danish astronomer whose recorded observations were instrumental for his employee Johannes Kepler as Kepler was drawing up his famous Laws of Planetary Motion.

Answer: Tycho **Brahe**

6. This woman, a Civil War volunteer nurse from Concord, Massachusetts, began work at a Union Hospital in December 1863. She carried a vial of lavender to combat the stench of her work, and found scrubbing the survivors with dark brown soap her vilest duty. A few weeks later, she was diagnosed with typhoid pneumonia, and went home, expecting to die. FTP name this woman, who survived the illness, and created *Hospital Sketches* and later, *Little Women*.

Louisa May Alcott

7. Talk about a team going to the dogs, the first name of this NHL franchise's new coach is Alpo. It's fitting because the team has been playing like dog food for many years now and last won a Stanley Cup in 1961. Current players like Tony Amonte and Alex Zhamnov can hardly make fans forget about Stan Mikita and Bobby Hull. FTP, name these occupants of the United Center.

Answer: Chicago *Blackhawks*

8. On November 7, 1974, this woman was found to be contaminated internally with plutonium. Tests indicated she had suffered no immediate damage, and she returned to her job as a lab technician at the Kerr-McGee plutonium factory. On November 13th, she planned to meet with union negotiators, carrying with her a manila folder containing proof that the plant's quality control records were being falsified. The wrecked remains of her car were found about an hour later, although the papers were never recovered, and an expert in accident reconstruction concluded that she had been hit from behind and forced off the road. FTP name this woman, later portrayed by Meryl Streep, who may have been a victim of a cover-up of atomic fission secrets.

Answer: Karen Silkwood

9. Theorists have identified five basic rules of this phenomenon: simplification, disfiguration, transfusion, unanimity, and orchestration. These are fancy terms for such techniques as reducing all data to right vs. wrong, smearing your opponents, presenting your view as if it was the opinion of the majority of all right-thinking people, and repeating your message over and over again. For ten points, these rules describe what means of spreading one's doctrines against all others?

Answer: **propaganda**

10. When the Titanic sank, this vessel played a valiant role, rescuing 706 survivors and delivering them to New York. She was later sunk, torpedoed by a German U-Boat in World War I. Marine salvager Graham Jesop believes he has found her wreckage 185 miles west of England's southwestern tip. FTP, name this vessel, named for an Eastern European region.

Carpathia

11. . Absent in birds such as the ostrich and emu, it is best-developed in aquatic species like the pelican. The purpose of this gland, located near the base of the tail on the back, is not clear, though its secretions, that empty onto the skin surface via one or more nipple-like pores, are thought to help preserve the integrity of the feather structure. This would explain why birds spread the secretions over their bodies by rubbing with the head and bill. For 10 points, identify this gland, named because a bird's actions in using it mirror a person's actions in dressing himself up, or gloating.

Answer: the **preen** gland (accept: **preening** gland)

12. Beginning as a 250-word caption for *Sports Illustrated*, this book was called "a failed experiment in Gonzo Journalism" by its author. It begins with the narrator's assignment to cover the Mint 400, a motorcycle race, and then becomes a desperate search for the American Dream, which the narrator and his attorney spend in a drug-induced haze. FTP name this book by Hunter S. Thompson, recently made into a movie starring Benicio Del Toro and Johnny Depp.

Fear and Loathing in Las Vegas

13. Stopping in mid-performance, he would cut three strings from his violin and perform amazing feats of musical wizardry on the remaining string. Tall, gaunt and forbidding with a weakness for women and gambling, this Italian relished his devilish reputation. Admired by Berlioz and Liszt, FTP, name the violin virtuoso who created the imaginative 24 Caprices.

Answer: Nicolo **Paganini**

14. Born in 1908 in New York to a family of Jewish Immigrants, he went to Cornell Law School to satisfy his parents. He later married his first cousin, Bertha Goodman, and then moved on to the University of Wisconsin. It was here that he began his studies in psychology, working with noted psychologist Harry Harlow. After his

work with Harlow he began to explore the key humanistic themes that he is well known for. FTP, name this psychologist, famous for his hierarchy of needs.

Ans: Abraham **Maslow**

15. Pope Pius V and Philip II of Spain asked Don John of Austria, the 24-year-old half-brother of Philip to assemble a fleet in response to a Turkish attack of Cyprus. He did so gathering together 316 ships to face a fleet of 250 Turkish ships under the command of Ali Pasha. For 3 hours on October 7, 1571, the two fleets met in a fierce ramming battle off of southwestern Greece, ending with a resounding Turkish defeat. FTP, name this large naval battle, the largest since Actium, and the last great battle of oared ships.

Battle of Lepanto

16. This novelist was born in Siedlce in 1846, which at that time was controlled by Russia. His 1890 novel *With Fire and Sword* was the first in a trilogy about Polish society during the 1600's while Poland fought the Cossacks, the Turks, and the Swedes. For these works and others he was awarded the 1905 Nobel Prize in Literature. FTP, identify this author, best known for his 1895 novel *Quo Vadis?*, about Roman society under Nero.

Answer: Henryk **Sienkiewicz** (shehn KYEH veech, but be lenient on pronunciation)

17. In 1961, he set up The Store, a place to exhibit and sell his hard plaster models of consumer goods. Four years later, he produced plaques for such urban models as replacing the Statue of Liberty with an electric fan. In between he made the first of his noteworthy sculptures of hamburgers, pie, and ice cream cones. For 10 points--name this soft sculpturist.

answer: Claes **Oldenburg**

18. It was formed on September 21, 1897, the result of an earthquake on the Philippine island of Mindanao. The resulting mud volcano last erupted in 1941, but not before sprouting two more volcanoes, giving it its name meaning "Island of the Three." Located just north of Borneo, this is--for 10 points--what location where a child-abusing naked corporate-training weasel named Rich pocketed \$1 million by backstabbing his teammates on ~Survivor~.

answer: **Pulau Tiga**

19. Born July 26, 1894 in Surrey, England, he suffered partial blindness due to keratitis while at Eton, making reading difficult, but not hindering his ability to write with elegance, wit and pessimistic satire. He became recognized as an author in 1921 for *Chrome Yellow*, while his most well-known work came in 1932. FTP, name the author whose work is credited with giving the musical Doors their name and who will always be associated with his *Brave New World*.

Answer: Aldous **Huxley**

20. Rocks from this period, which occurred 408 to 360 million years ago are found on every continent. During the period a giant continent was situated in the Southern Hemisphere, and other land masses were located in the equatorial regions. The research of English established this period officially in 1839, and their evidence was soon corroborated by geologists in other parts of the world. FTP, which period followed the Silurian and preceded the Carboniferous and was named for the home county of its namers?

Answer: **Devonian** Period

21. Both Russia and Poland claim credit for the invention of this product, which was probably first produced in the fourteenth or fifteenth centuries by local aristocratic families. Since then, it has been taxed and banned in certain areas, and power struggles between commercial and government producers have broken out. It was rarely sold in its pure, unflavored form in the West until the mid-1900s, where its popularity soared and many American brands emerged. For ten points, name this colorless, tasteless and odorless spirit.

Answer: Vodka

22. This country may be divided into three main regions: the coastal plain, the sierra, and the montaña. The first is an arid stretch of land extending the entire length of the country. The plain has most industries and cities, but few ports. Parallel and east to the plain is the sierra. It contains parts of the Andes, with the main region being the Cordillera Occidental. The forested slopes of the sierra are the regions known as the montaña, and forms part of the Amazon basin. FTP, name this South American country with Lake Titicaca at its south and Lima as its capital.

Ans: Peru

23. First implemented at MIT in 1967, it was modified by Ken Thompson in 1970 to create the B programming language, which was later used to make Unix and C. For ten points name this simple, typeless programming language that was created by Martin Richards in 1966.

Answer: BCPL

1. Identify the American who in the following years had the following to say for themselves, FTPE.

A. 1928, "I do not choose to run."

answer: (John) Calvin Coolidge

B. 1839, "I had rather be right than be President."

answer: Henry Clay

C. 1779, "I have not yet begun to fight."

answer: John Paul Jones

2. 30-20-10, identify the body of water.

30: It was discovered by the French explorer Pierre du Gua, Sieur de Monts, in 1604.

20: Separating New Brunswick and Nova Scotia, it is one of the most unnavigable bays in the world.

10: Its tides rise up to 60 feet tall, because it divides into two arms: Chignecto Bay, and Minas Channel.

Answer: **Bay of Fundy**

3. 30-20-10, name the literary work.

30- Héloïse is a nagging old wife, married for a fortune that turns out not to exist. When this deception comes to light, she conveniently dies.

20- Her widower Charles feels guilty at not having more regrets, but forgets about such qualms to fall in love with and marry Emma. Unfortunately for her, she found married life with Charles dull and unsatisfying.

10- This 1857 work of psychological realism was written by Gustave Flaubert.

Answer: Madame Bovary

4. Name the dicarboxylic acid from its description FTP each.

A): HOOC-COOH. It is merely two carboxylic groups attached together.

Oxalic acid or ethanedioic acid

B): HOOC-CH₂-CH₂-COOH. Two saturated carbons lie between the two carboxylic groups.

Succinic acid or butanedioic acid

C): cis-HOOC-CH=CH-COOH. Two carbons with a double bond form the middle of the molecule with the two carboxylic groups in the cis position.

Maleic acid or cis-butenedioic acid (Note: Do not accept malic or malonic acid.)

5. So Henry VIII married 6 times. Not all British royal marriages have been that short though. Name these royals who have had long lasting marriages, FTP each.

A): This mad king has the longest lasting marriage in English history, as it lasted 57 years, 2 months, 10 days. Tragically, though, as his madness deepened and he was confined to Windsor, he gradually forgot his Queen Charlotte.

King George III

B): Elizabeth II's marriage to this Prince Consort is currently second in length, but it could pass King George and Queen Charlotte in the next few years.

Prince Philip

C): He was considered sort of a playboy as the Prince of Wales. Yet, his marriage to Queen Alexandra lasted 47 years, 1 month, and 27 days from 1863 until his death in 1910.

King Edward VII

6. Name the Norse gods from description, FTPE.

A- For entertainment the other gods would throw stuff at him, since nothing was able to kill him. Nothing, that is, except the mistletoe with which his brother, Hoder, pierced his heart.

Answer: Balder

B- She was Balder's mother who extracted promises from all living and non-living things not to kill Balder, but forgot to ask mistletoe.

Answer: Frigga

C- This is the god who discovered the oversight and tricked Hoder into throwing the mistletoe.

Answer: Loki

7. Let's see how familiar you are with the self-proclaimed "World's Greatest Rock & Roll Band." FTPE identify the Rolling Stones song from lyrics.

Part 1: "I was drowned, I was washed up and left for dead/ I fell down.. to my feet and saw they bled/ I frowned... at the crumbs and crust of bread/ I was crowned... with a spike right through my head."

Answer: Jumping Jack Flash

Part 2: "She blew my nose and then she blew my mind."

Answer: "Honky Tonk Woman"

Part 3: "I live in an apartment on the ninety-ninth floor of my block/ And I sit at home looking out the window? Imagining that the world has stopped."

Answer: "Get off of My Cloud"

8. According to the Pauli exclusion principle, no two electrons in an atom can have the same set of quantum numbers. Answer the following questions about quantum numbers for the stated number of points.

Part 1: The four quantum numbers are given a single letter abbreviations. Given a quantum number's abbreviation, give the name of the quantum number.

Abbreviation: l Answer: angular momentum quantum number

Abbreviation: s Answer: Spin quantum number

Abbreviation: n Answer: Principal quantum number

Abbreviation: m Answer: Magnetic quantum number

Part 2: The principal quantum number theoretically has a range from 1 to infinity. For five points, give the range of the angular momentum quantum number

Answer: 0 to n-1

Part 3: For another five points, give the range of the magnetic quantum number.

Answer: -1 to 1

9. How the West was really won and/or kidnapped and raped: for ten points each, name the 19th century invention that made Manifest Destiny easier from the inventor.

(10) John Deere

Ans: **Steel Plow**

(10) G.F. Swift

Ans: **Refrigerator Car** (as in railroad car)

(10) Joseph Glidden

Ans: **barbed wire** (not the first, but the best and most famous)

10. Awright, listen up, pilgrims. 5-10-15, give the authors of the following works:

5- The allegorical novel, *The Pilgrim's Progress*.

Answer: John Bunyan

10- The poem, "Childe Harold's Pilgrimage."

Answer: Lord Byron, George Gordon

15- A description of the author's return to Christianity, *The Pilgrim's Regress: An Allegorical Apology for Christianity, Reason and Romanticism*.

Answer: Clive Staples Lewis

11. Answer the following questions about Analytic Philosophy for ten points each.

(10) Generally considered the founder of Analytic Philosophy as well as Modern Logic, this German wrote "The Foundations of Arithmetic" attempting to show that all of mathematics is knowable a priori.

Answer: Gottlob **Frege**

(10) When this Austrian became interested in Mathematic Logic he asked Frege if he could study under him. Frege told him to go study under Bertrand Russell. His second and last work, published posthumously was the "Philosophical Investigations"

Answer: Ludwig **Wittgenstein**

(10) Wittgenstein influenced A.J. Ayer and many other logical positivists (as well as Russell - but only briefly) to believe in this theory which says that only sense-data exists and that it is the source of all knowledge. It is often described as Berkeleianism without God.

Answer: **Phenomenalism**

12. For ten points each, identify the following connected with "Bleeding Kansas."

A): This name is applied to pro-slavery Missourians who crossed over to Kansas to raid, terrorize abolitionists and stuff ballot boxes.

Border Ruffians

B): John Brown, in retaliation for the deaths of a number of abolitionists in Lawrence, led his sons in butchering five pro-slavery adherents on May 24, 1856 by this small waterway.

Potawatomie Creek

C): This nickname was applied to rifles sent to Kansas to support the abolitionist cause because of a statement made by an anti-slavery preacher.

Beecher's Bibles

13. Give the following terms from genetics, FTPE.

A- This occurs when the phenotype of a heterozygote is midway between the two homozygous phenotypes.

Answer: incomplete dominance (accept: partial dominance or semidominance)

B- This occurs when the heterozygous phenotype expresses both homozygous phenotypes.

Answer: codominance

C- This is the proportion of a population whose phenotype matches their genotype for a trait.

Answer: penetrance

14. 2000 is the 50th birthday of everyone's favorite - Silly Putty. Answer these questions for ten points each:

1. What company that also makes another famous children's product manufactures Silly Putty?

Answer: **Binney and Smith**

2. In 1989 at Alfred University a 100 pound ball of Silly Putty was dropped from the top of the engineering building. What did it do - bounce, break, splatter or disintegrate?

Answer: **Bounced** eight feet

3. One recipe for making homemade Silly Putty is to mix 1 cup liquid laundry starch with 2 cups of what common product found around most grade school art rooms?

Answer: **Elmer's Glue** (Prompt on glue)

15. Identify the Shakespearean Sonnet Number from the opening quatrain, FTP each.

A) "When, in disgrace with fortune and men's eyes,
I all alone beweep my outcast state,
And trouble deaf heaven with my bootless cries,
And look upon myself, and curse my fate,"

Sonnet #29

B): "Let me not to the marriage of true minds
Admit impediments. Love is not love
Which alters when it alteration finds,
Or bends with the remover to remove:"

Sonnet #116

C): "Th' expense of spirit in a waste of shame
Is lust in action; and till action, lust
Is perjured, murderous, bloody, full of blame,
Savage, extreme, rude, cruel, not to trust;"

Sonnet #129

16. Answer the following questions about a pair of sibling authors for ten points each.

(10) This author's work "The Blue Angel" introduces the character of Professor Unrat who is a morbid teacher who becomes a megalomaniac.

Answer: **Heinrich Mann**

(10) Heinrich's brother Thomas was forced to flee Germany partly because of this novel condemning fascism in which one title character kills the other Cippola after being forced to do humiliating things while hypnotized.

Answer: **Mario and the Magician** or (**Mario und der Zauberer**)

(10) In this novel by Thomas the character of Adrian Leverkühn parallels the collapse of Germany during WWII. Another character Serenus Zeitblom narrates the story.

Answer: **Doktor Faustus**

17. Answer the following about the Nine-Power Treaty of 1921, for 10 points each.

A. The target of the treaty was a reaffirmation of the Open Door policy in what country?
answer: China

B. It was the result of a disarmament conference in what city?
answer: Washington, D.C.

C. Of the nine powers of the Nine-Power Treaty, six were European. Name any three of those six.
answer: United Kingdom of Great Britain and Northern Ireland (accept either)

France or French Republic or République Française

Kingdom of Belgium or Koninkrijk België or Royaume de Belgique

Italy

Republic of Portugal or República Portuguesa

Kingdom of the Netherlands or Koninkrijk der Nederlanden or Holland

18. Answer the following about composers who found success through their pupils, for 10 points each.

A. Little of this Brit's work, including his Fantasia on Greensleeves, resembles that of his teacher Maurice Ravel.

answer: **Ralph Vaughn Williams** [Ralph is pronounced Rafe, but saying it like it's spelled is OK too]

B. Little known as a composer, she took as her first American pupil the young Aaron Copland.

answer: **Nadia Boulanger**

C. Both Nadia Boulanger and Maurice Ravel were pupils of this Frenchman, noted organist and composer of Pavane and Dolly Suite.

answer: Gabriel Fauré

19. Answer the following about a woodcut, for 10 points each.

A. In 1515, a year after his Melancholia engraving, he made a major but faulty step in zoological imaging, with a woodcut of a rhinoceros.

answer: Albrecht Durer

B. Durer's unrealistic image is due to it coming from a drawing made by a Portuguese painter whose specimen travelled from this Indian colony to Genoa, where it drowned in a shipwreck.

answer: Goa

C. The Rhino was intended as a gift for what then pope?

answer: Leo X or Giovanni de Medici

20. On most known planets, the transition from day to night is a quick snap into blackness, without the rich, lengthy sunset earthlings enjoy. In fact, Earth's twilight has been divided into three separate twilights. FTP, given a description, name the twilight.

Starts at sunset and ends when the sun is six degrees below the horizon; marks the time when most towns must turn on streetlights. Civil twilight

Lasts until the sun is twelve degrees below the horizon; marks the time when a mariner can no longer distinguish the sea from the sky. Nautical twilight

Lasts until the sun is about eighteen degrees below the horizon; the faintest stars now emerge.

Astronomical twilight

21. For ten points each, here are some random Supreme Court clues. Note, none of the answers will be Sandra Day O'Connor.

A. The formal writ used to bring cases before the court?

Writ of Certiorari

B. The rule quantifying the number of justices required to accept a case before the court.

Rule of four

C. The lawyer who represents the United States government before the Supreme court.

Solicitor General

22. For ten points each, name the counties in which each of these cities can be found:

A. Chicago?

Cook County

B. Seattle?

King county

C. This county contains the oldest state capital in the U.S.?

Santa Fe county