

1. They were first established in 1919 under the Cheka (chay-kuh) but weren't very populated until the 1930 when they were run by the NKVD. Inhabitants built the Baltic-White Sea Canal, the Baikal-Amur railroad, and many other projects. Their name comes from an acronym of the words for Main Directorate for Corrective Labor Camps. FTP what were these Soviet camps for dissidents written about by Alexander Solzhenitsyn, among others?

Answer: **Gulag**

2. Adults of this order are toothless, and males have spurs on their hind feet connected to weak poison glands. Like reptiles, their eggs have leathery shells and large yolks. Like birds and reptiles, they have a cloaca, a single opening for the passage of wastes, the transfer of sperm, and the laying of eggs. However, they have hair and mammary glands, by which they nurse their young after hatching. FTP name this most primitive order of mammals, whose only two extant members are the spiny echidna and duck-billed platypus.

Answer: **monotremes or monotremata** (do not accept platypus or echidna; the 1<sup>st</sup> clue asks for the order)

3. He founded the Bow Street Runners, considered Britain's first organized police force. *Pasquin* was among his notable satirical plays, and his novels include *The Life of Mr. Jonathan Wild the Great*. FTP name this English author who greatly strengthened the genre of the novel with *Joseph Andrews* and *Tom Jones*.

Answer: **Henry Fielding**

4. With a libretto by Henri Meilhac and Ludovic Halevy, some of its set pieces, like *The Dragoons of Alcala* and *Micaela's Air*, are commonly performed at symphony concerts. First performed in Paris in 1875, this work based on a novel by Prosper Merimeé also includes the *Aragonaise* and *Bohemian Dance*. FTP name this opera which also features the *Habanera* and the *Toreador Song*, the most enduring work by Georges Bizet.

Answer: **Carmen**

5. In the "Black River Country" of West Virginia, he was born full-sized, eight-feet tall, and signed on to work for the Chesapeake and Ohio Railroad after the Civil War. When Big Bend Mountain was in the way of the railroad, he led the team of men to tunnel through it. FTP name this "steel-drivin' man" who defeated a steam-powered drill with his bare hands and a hammer.

Answer: **John Henry**

6. His poetry was largely overshadowed by his scholarly work, as was his only novel, *The Last Puritan*. A student of William James, he attempted to reconcile Platonism and materialism, eventually deciding that impulse, or "animal faith", was the basis of reason and belief. His works include *The Sense of Beauty* and *The Life of Reason*. FTP name this Spanish-born American philosopher, perhaps best remembered for stating, "Those who do not remember the past are condemned to repeat it."

Answer: **George [Jorge de] Santayana**

7. At 9<sup>th</sup> on the career home runs list with 548, he ranks the highest for any player who spent his entire big league career with the same team and city. He also was a 10-time Gold Glove winner, MVP of the National League 3 times, and World Series MVP in 1980 when he led the Phillies to their first and only World Series title. FTP name this player whom many consider the best 3<sup>rd</sup> baseman in history.

Answer: **Mike Schmidt**

8. Because consumption of this compound reduces carotenoid levels in the body, some critics say it can lead to increased risk of cancer. However, the only side effects found in studies were that some users experienced stomach cramping and explosive diarrhea, or as a memorable press release euphemistically put it, "anal leakage." It was approved by the FDA for use in salted snack foods in 1998. FTP name this fat substitute which provides the taste and texture of fat with zero calories, which in a trademark-named version from Procter & Gamble is called Olean.

Answer: **Olestra** [accept Olean before it's read]

9. Their name comes from an early chieftain when they wandered the Kyrgyz (keer-giz) steppes in the Transoxiana region around the tenth century. His grandson, Tughril, led the tribe west, taking Baghdad in 1055, then moving north into Asia Minor. Here they won the Battle of Manzikert, secluding the Byzantines in Constantinople. FTP what name is given to these rulers of Asia Minor before the Ottomans?

Answer: **Seljuk Turks**

10. His works showed the constricting effects of the unyielding moral code of early 20<sup>th</sup> century Spain. He himself fell victim to that conservatism, executed by Franco's soldiers early in the Spanish Civil War. FTP name this poet and playwright whose works included *Yerma*, *Blood Wedding*, and *The House of Bernarda Alba*.

Answer: **Federico Garcia Lorca** (prompt on Lorca)

11. The creator of "Li'l Abner", cartoonist Al Capp, defined this as "a product of the untalented, sold by the unprincipled to the utterly bewildered." Important works in this style, which originated in New York in the 1940's, include the series "Woman" by Willem de Koonig and Robert Motherwell's "Elegy for the Spanish Republic." FTP name this art movement, of which the most prominent artist was Jackson Pollock.

Answer: **abstract expressionism** (accept just "abstract" before "movement"; prompt for more after that)

12. In his last months he fulfilled a longtime dream of visiting the obscure Russian region of Tuva. Like so many other top minds of his time, he worked on the Manhattan Project in World War II. Important collaborators included Murray Gell-Mann, with whom he developed a theory of weak interactions, and Hans Bethe in the development of quantum electrodynamics. FTP name this physicist, co-winner of the 1965 Nobel Prize, whose diagrams greatly facilitated the solution of electromagnetic interactions between elementary particles.

Answer: **Richard Feynman**

13. **WARNING: TWO ANSWERS REQUIRED.** If the probability of winning each independent game is 41%, then this is your most likely record in wins and losses over seventeen games. With a pair of fair dice, one is the most common sum, and the other sum is half as likely. If a random variable took only these values and they were equally likely, its expected value would be eight and a half. FTP--a bowler's probability of completing his spare has become quite low if he has left only what two pins in the back corners?

Answer: **7 and 10**

14. He lived with the Cherokee in Tennessee early in his life after his parents died, and again in 1829 after his wife left him while he was governor of that state. He was one of the first pair of senators from his adopted state, serving from 1845 to 1859, when he became governor, a post from which he was removed because he refused to swear an oath to the Confederacy. A leader of Texas forces against Santa Anna at San Jacinto, FTP, who is this man who was elected first president of the Republic of Texas?

Answer: **Sam Houston**

15. This work's Book IV section "Profession de foi du vicair Savoyard" describes the moral and religious instruction received by the title figure, while Book V deals with the education of Sophie, a woman trained to please men and serve as the title figure's wife. Highly influential for its theories of education, it tells of the bringing up of the title figure according to "the principles of nature". FTP, what is this educational romance by Jean-Jacques Rousseau?

Answer: **Emile, or The Education**

16. It is located 110 miles east-northeast of El Paso inside of Lincoln National Forest, just north of the Guadalupe mountains. The Park preserves a portion of the Permian-Era Capitan Fossil Reef and its Lechuguilla Cave is the deepest limestone cave in the U.S. Home also to the "Big Room" underground and famous for its colony of Mexican free-tailed bats, FTP this describes what New Mexico National Park?

Answer: **Carlsbad Caverns**

17. It was provoked by an open letter in the newspaper by eight clergymen, and the author began writing it in the margins of his copy of that newspaper. The clergymen accused the author of "untimely and unwise" actions, and of interfering as an outsider in their city's 1963 civil rights struggle, as he was from Atlanta. In his letter, the author avers that the fight against racial injustice has no boundaries. FTP name this influential letter written by Martin Luther King, Jr., during a brief incarceration.

Answer: **Letter from (a) Birmingham Jail**

18. In November 2001, Takako Konishi was discovered wandering around a dump in Bismarck, North Dakota. Taken to the police station, she showed police a map and eventually explained she was looking for money buried by Carl Showalter. Having no reason to hold her, Konishi was released. She was later found near Detroit Lakes, Minnesota, dead of an apparent suicide, confirmed when her family got a letter from her announcing her intent to kill herself. If only Marge Gunderson was on the case! Name, FTP, the movie that drove Konishi to come to the US, an apparently too subtle piece of fiction from Joel and Ethan Coen that won Frances McDormand an Oscar for Best Actress.

Answer: **Fargo**

19. Published in 1952, it highlights the conflicts of two generations of brothers beginning with Adam and Charles. Adam eventually marries Cathy Ames, a prostitute who betrays him with Charles on the very night of their wedding. After giving birth to twin boys, Aron and Caleb, she shoots Adam and leaves him to return to her former profession. This second generation of brothers vies for their father's approval. In bitterness Caleb reveals the truth about their mother to Aron, who then joins the army and is killed in France. FTP name this John Steinbeck novel which became the first movie with James Dean in a starring role.

Answer: **East of Eden**

20. Temperatures at the center of this planet average 11,000 degrees Fahrenheit, but recent x-ray type images have revealed vast inverted mountains seven miles high inside of it. It possesses a thin blanket of atmosphere, which nonetheless exerts an average pressure of nearly 15 pounds per square inch, and roughly three quarters of this oblate spheroid's surface is liquid. FTP, name this planet, the third-distant from Sol in our system.

Answer: **Earth** [accept Terra]

21. English lyrics were written by R. Stanley Weir to accompany the tune Calixa Lavallee composed for a poem by Adolphe-Basile Routhier. On an episode of *TV Nation*, a man on the street, when given its first word, guessed way incorrectly that the rest of the first line was "say can you see." FTP identify this song which concludes, "we stand on guard for thee," heard in the U.S. mostly just when played before sporting events involving Canadian teams.

Answer: **O Canada**

22. A necklace of skulls, earrings of corpses, and a girdle of serpents are among her accouterments. The object of the human sacrifices made by the Thugs, she has red eyes, four arms, and a protruding tongue dripping with blood. FTP who is this Hindu goddess of destruction, the wife of Shiva?

Answer: **Kali**

23. A map drawn on the surface of one would require up to seven colors to ensure that countries sharing borders were colored differently. Its volume is  $\frac{4}{3}\pi r^3$  where  $r$  is the radius of the rotated circle, and  $k$  is a distance to the axis of rotation, a distance that often includes empty space in its circle. FTP--name this geometrical object that looks a lot like a doughnut.

Answer: **torus**

1. You can still find some copies of historian S. Walter Poulshock's 1965 book *The Two Parties and the Tariff in the 1880s* despite the fact that it was exposed in 1966 as outright academic fraud. Given information about bogus sources used in that work, name the following FTPE:

a) One key reference that led another scholar to suspicion was a purported quote from the correspondence of this Rhode Island senator, best remembered for his Senate version of a 1909 tariff bill which was ultimately a compromise between his version and that of Rep. Sereno E. Payne.

Answer: Nelson **Aldrich**

b) False passages were added to text from a letter sent to this President in 1887 by the pallbearers for the funeral of his Secretary of the Treasury, Daniel Manning.

Answer: Grover **Cleveland**

c) Another dead guy who had words put in his mouth was this Vermont Congressman whose most lasting achievement was a bill passed in 1862 granting public lands for the establishment of universities.

Answer: Justin Smith **Morrill**

2. FTPE, answer the following questions about complex numbers.

10) What is the value of  $i$  raised to the power 7?

Ans:  $-i$  [negative  $i$ ]

10) For the complex number  $z = 1 - 2i$ , what is the complex conjugate of  $z$ ?

Ans:  $1 + 2i$

10) For the complex number  $z = 1 - 2i$ , what is the value of  $z$  times the complex conjugate of  $z$ ?

Ans: 5

3. What do FDR and Timothy McVeigh have in common? The same favorite poem. Answer the following FTPE:

a) Before he was executed McVeigh passed out copies of this poem, which begins, "Out of the night that covers me / Black as the pit from pole to pole / I thank whatever gods may be / For my unconquerable soul."

Answer: "**Invictus**"

b) This British poet, a defender of the works of many 19<sup>th</sup>-century contemporaries, wrote "Invictus."

Answer: William Ernest **Henley**

c) For a final 10, give the last two lines of "Invictus," which are preceded with "It matters not how straight the gate / How charged with punishments the scroll"

Answer: "**I am the master of my fate/I am the captain of my soul**"

4. Identify these chromosomal disorders from descriptions FTPE.

Females who are missing an  $x$  chromosome suffer from this disorder which can lead to short stature and infertility.

Answer: **Turner's** Syndrome

This syndrome is caused by an extra chromosome on the 21<sup>st</sup> pair and leads to varying levels of intellectual retardation.

Answer: **Down's** Syndrome

This rare disorder is caused by a partial deletion of the short arm of chromosome five and leads to mild retardation, facial abnormalities, and a high-pitched wailing cry which gives it its French name.

Answer: **cri du chat** (acc. "cat's cry")

5. Your genial quizmaster can't remember there ever being a bonus on famous cantatas before. But then, there aren't that many that are well-known by name. FTPE tell who composed the following cantatas:

a) #211, the Coffee Cantata; #204, which includes "Sheep May Safely Graze", and #140, which contains the first version of his "Sleepers Awake"

Answer: Johann Sebastian **Bach** [prompt on Bach]

b) "Alexander Nevsky", which he wrote in conjunction with the Sergei Eisenstein film of the same name

Answer: Sergei **Prokofiev**

c) "Carmina Burana"

Answer: Carl **Orff**



6. Only a few schools in NCAA Division I have team nicknames that don't end in "s". Give these examples F5PE:

a) Alabama

Answer: **Crimson Tide**

b) Tulane

Answer: **Green Wave**

c) North Carolina State

Answer: **Wolfpack**

d) Navy

Answer: **Midshipmen**

e) Marshall

Answer: **Thundering Herd**

f) Tulsa

Answer: **Golden Hurricane**

7. Never give a saga an even break. FTPE answer the following about great sagas of northern Europe:

a) The monumental *Heimskringla* or "Orb of the World" was the masterwork of this Icelandic author of the early 13<sup>th</sup> century.

Answer: **Snorri Sturluson** [accept either name]

b) The basis of Wagner's great opera cycle, the *Nibelungenlied* tells of this hero, who marries the princess Kriemhild but runs afoul of the powerful queen Brunhilde.

Answer: **Siegfried** or **Sigurd**

c) Compiled by Elias Lonnrot, this Finnish national epic tells of the warrior hero Lemminkainen and the witch Pohjola.

Answer: the **Kalevala**

8. Given functional groups, name the class of organic compounds, FTP each.

a) Carbon-carbon triple bond

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

b) An oxygen between two alkyl groups

Answer: **ether**

c) A carbon double-bonded to an oxygen and singly-bonded to an alkyl group and a hydrogen

Answer: **aldehyde**

9. Name these 20<sup>th</sup> century Native American political leaders for 10 points each.

Many people did not realize that this man, Herbert Hoover's Vice President, was a Kaw Indian.

Answer: **Charles Curtis**

This woman became the first female chief of a major tribe when she was elected leader of the Cherokee Nation of Oklahoma in 1987.

Answer: **Wilma Mankiller**

This Harley-riding member of the Northern Cheyenne tribe, a former captain of the U.S. Olympic judo team, is the senior U.S. senator from Colorado.

Answer: **Ben Nighthorse Campbell**

10. It was years before your genial quizmaster realized that Joan [jo-AHN] Miro and Camille Pissarro didn't qualify for this bonus. FTPE name these women artists:

a) American artist of "Black Iris III" and "Cow's Skull with Calico Roses"

Answer: **Georgia O'Keeffe**

b) American-born artist of "Blue Room", "Boating Party", and "The Bath"

Answer: **Mary Cassatt**

c) Austrian whose major works were series of engravings or lithographs such as "The War", "Death", and "Peasant's War." How cheerful.

Answer: **Kathe Kollwitz**

11. Not all members of the Greek pantheon had Roman equivalents. Name these second-tier Greek deities FTPE:

a) God of dreams

Answer: **Morpheus**

b) Goddess of vengeance

Answer: **Nemesis**

c) God of marriage

Answer: **Hymen**

12. Answer the following about the first sustained atomic chain reaction FTPE.

This Hungarian-born physicist had first theorized that nuclear fission could produce a chain reaction capable of releasing enormous energy.

Answer: **Leo Szilard**

This Italian-born physicist led the project to create the reaction.

Answer: **Enrico Fermi**

This reaction took place under Stagg Field on the campus of what university?

Answer: **University of Chicago**

13. What would a sitcom be without the wife nagging the poor husband? FFPE, given a recent or current sitcom, name the main character's wife.

a) Ray's wife on Everybody Loves Raymond

Answer: **DEBRA**

b) Doug's wife on King of Queens

Answer: **CARRIE**

c) Hal's wife on Malcolm in the Middle

Answer: **LOIS**

d) Jim's wife on According to Jim

Answer: **CHERYL**

e) Michael's wife on My Wife and Kids

Answer: **JAYE**

f) Sean's wife on Grounded for Life

Answer: **CLAUDIA**

14. Answer the following questions about the history of terrorism FTP each.

(A) In July 1976 an Israeli airliner hijacked by Palestinians was taken to Entebbe Airport in Uganda. Israeli commandos rescued the hostages using a plan that included a lookalike for this notorious Ugandan President.

Answer: **Idi Amin Dada**

(B) The Irgun, a Jewish revolutionary group of the 1940s whose leaders included Menachem Begin, bombed this Jerusalem Hotel, named for a Biblical patriarch, that housed the British colonial government.

Answer: **King David**

(C) Terrorists killed wheelchair bound American Jewish passenger Leon Klinghoffer after they hijacked this Italian cruise ship in the Mediterranean.

Answer: **Achille Lauro**

15. Stay gold, Ponyboy, by identifying the following "golden" literary works FTPE.

This Henry James novel concerns Maggie Verver, daughter of a millionaire.

Answer: **The Golden Bowl**

This satirical romance by Apuleius is narrated by a man turned into a beast.

Answer: **The Golden Ass**

This monumental 13-volume work of comparative religion by James M. Fraser greatly influenced literary analysis and anthropology in the early 20<sup>th</sup> century.

Answer: **The Golden Bough**

16. FTP each, identify these types of defense mechanisms.

A. The attribution to others of one's own ideas, feelings, attitudes, especially blame, guilt, or sense of responsibility.

Answer: **Projection**

B. The process by which unacceptable desires or impulses are excluded from consciousness.

Answer: **Repression**

C. A mental or emotional response that represents the opposite of what one really feels.

Answer: **Reaction Formation**

17. Answer these questions about milestones in air travel, FTP each.

A. Name the pair of French brothers who perfected the hot-air balloon in 1783.

Answer: The **Montgolfier** brothers (Joseph and Etienne)

B. In 1929, this dirigible which is not the Hindenburg became the first airship to fly around the world, doing so in just over 3 weeks.

Answer: The **Graf Zeppelin**

C. It won't get you 2.18 million dollars like it did for Kevin Olmstead, but name the man who invented the first practical helicopter, the VS-300, in 1939.

Answer: **Igor Sikorsky**

18. Identify the Eastern European who wrote the following works on a 10-5 basis.

a) 10 pts *Poor People* (1846)

5 pts *The Brothers Karamazov* (1879)

Answer: **Fyodor Dostoyevsky**

b) 10 pts *The Hunger Artist* (1925)

5 pts *The Castle* (1926)

Answer: **Franz Kafka**

c) 10 pts *The Book of Laughter and Forgetting* (1980)

5 pts *The Unbearable Lightness of Being* (1984)

Answer: **Milan Kundera**

19. Show what you know of early Chinese history by answering the following FSNOP.

(15pts.) Sometimes called the "First Emperor," this man created the first unified Chinese empire in 221 BCE.

Answer: **Shih Huang-ti**

(10pts.) Shih Huang-ti founded this dynasty, which lasted only about 12 years.

Answer: **Ch'in**

(5 pts.) Shih Huang-ti filled in the gaps in this northern barrier, meant to keep out nomads and Mongols.

Answer: **Great Wall**

20. Name these heavy-thinking Germans FTPE.

This philosopher opposed absolute idealists like Hegel and thought that the Will is a blind impulse, and for each individual, the universe is his own idea.

Answer: **Arthur Schopenhauer**

This man's *Critique of Pure Reason* argues that perception could give no knowledge of the thing-in-itself beyond experience of phenomena.

Answer: **Immanuel Kant**

Though perhaps better known for his scientific investigations into the properties of sound waves, this Positivist rejected a priori principles in science and reason.

Answer: **Ernst Mach**

21. How about a contemporary plate tectonics question? See if you can name these plates on the Earth's surface FTPE.

This plate, which shares its name with an ancient people of South America, sits directly west of that continent.

Answer: **Nazca** plate

This small plate named for an explorer plunges below the North American plate in the Pacific Northwest, which has created mountain ranges and volcanoes there.

Answer: **Juan de Fuca** plate

This small plate sits between the Pacific and Eurasian plates and is named for a group of islands that rest on it.

Answer: **Philippine** plate