

1) It has recently been discovered that this is situated above geologic formations of limestone that contains bitumen. The decomposition of this bitumen released organic gases such as ethane, methane, and ethylene into the atmosphere through small fissures in the earth's surface. This could explain why the priestess of this temple would have mind altering experiences and give prophetic advice, or sometimes have seizures and die. FTP identify this temple or the famous priestess who inhabited it.

Answer: the **sanctuary of Delphi** or the **Delphic Oracle** or **Oracle of Delphi**

2) It is difficult to explain how this can exist ~~because~~ it because it is hotter than the sun's surface while extended a million kilometers above that surface. It is the portion of the sun where solar winds originate and has been found to emit X-ray radiation. FTP name this portion of the sun that was the target of NASA's Spartan 201 mission and sounds like a kind of beer.

Answer: **Corona**

3) Change of heart or kissing of ass? You be the judge. He wrote his first important work, "Heroic Stanzas" in memory of Oliver Cromwell. A scant year later, he wrote "Astraea Redux" and "Panegyric on the Coronation" in celebration of the restoration of Charles II. FTP name this opportunist, whose other works include "Absalom and Achitophel" and *Marriage A La Mode*.

Answer: **John Dryden**

4) As Garfield's Secretary of State he advocated the creation of an International Bureau of American Republics to promote a customs union of trade and political stability for the Western Hemisphere. As Speaker of the House from 1869 to 1875 he led the "Half-Breed" faction against Roscoe Conkling's Stalwarts. As Senator his reputation was tarnished by the disclosure of the Mulligan Letters, implicating him in an Arkansas railroad scandal. And as Presidential candidate, he was doomed to a narrow defeat thanks to a zealous supporter calling the Democrats the party of "rum, Romanism and rebellion." FTP name "the Plumed Knight", defeated in the memorable election of 1884 by Cleveland.

Answer: **James G. Blaine**

5) He was born in Kaunas, Lithuania in 1898 and emigrated to America in 1904. Later on in life he became a lithographer's apprentice and attended New York University and the National Academy of Design. He had adopted strong socialist views and painted works such as "Miners' Wives" and "The Passion of Sacco and Vanzetti". FTP, name the artist, also known for photographs, such as "Migrant Mother" and "Cotton Picker, Arkansas."

Answer: **Ben Shahn**

6) The 25 original cases were located in Belgrade and two German cities, one of which was Frankfurt. It was first identified in 1967, when 25 people who were working with organs and cell cultures from Ugandan monkeys became ill, and seven died. Like the Ebola virus, it causes haemorrhagic fever, meaning that it infects and causes severe bleeding of tissues and organs. The victims of the virus became ill so quickly that it did not have much of a chance to spread outside of those cities. FTP name this filovirus, named for the other German city affected.

Answer: **Marburg** [accept Ebola-Marburg before Ebola is said]

7) In 1998 she became the first country singer included in L'ilith Fair. This farm girl from Sharon, Kansas, was also featured on the soundtracks of *A Muppet Christmas Carol*, *Hope Floats*, *Where the Heart Is*, and *The Runaway Bride*. Her hits include exuberant songs like "Wild Angels," "Safe in the Arms of Love," and "When God-Fearin' Women Get the Blues." FTP name this country singer whose concern for issues of family violence is seen in the songs "Concrete Angel," "A Broken Wing," and "Independence Day."

Answer: **Martina McBride**

8) Oleg Kostoglotov is not a happy camper, or rather ex-camper. He's still stuck in Kazakhstan, having recently been released from a brutal forced labor camp. He's only been released due to illness, and he's now trapped inside a microcosm of Soviet society as embodied by his fellow patients. FTP name this suppressed 1968 novel inspired by the real-life hospitalization and treatment of Aleksandr Solzhenitsyn.

Answer: **Cancer Ward** or Rakovy Korpus

9) In June of 1943, the *USS Eldridge*, a destroyer, was reportedly loaded with sophisticated equipment. About a month later, the equipment on the ship was supposedly powered up, and witnesses claimed to see the *Eldridge* become enveloped in a green fog and slowly fade out of sight. When the ship re-appeared a few minutes later, the members of the crew's ship apparently felt disoriented and nauseous. For ten points, give the name of the unconfirmed American experiment that was supposed to make a ship invisible to radar, but, according to witnesses, produced very mysterious results on several occasions, such as the one described above.

Answer: **Philadelphia Experiment** or **Project Rainbow**

10) Its theoretician was looking for a logical theory that could serve as a framework for mathematics, particularly one that would avoid vicious-circle antinomies, like the author's paradox of the property of those properties that are not properties of themselves. First described in 1908, it suggests that the hierarchy of properties and relations is two-dimensional, where properties and relations are distinguished first by their order, and then by their level within each order. For 10 points, identify this theory of Bertrand Russell's.

Answer: Theory of **types**

11) A student of Mario Castelnuovo-Tedesco, this Air Force vet and Julliard grad scored episodes for "Wagon Train" and "Gilligan's Island." His first feature film gig was *Daddy-O*, a film bad enough to be featured on MST3K. His break came with the theme for the TV series "Lost in Space," and in 1967 he got his first Oscar nomination for *Valley of the Dolls*. In only six of the past 30 years has he NOT gotten at least one Oscar nomination. FTP name this composer of film scores for *Saving Private Ryan*, *Jaws*, and all 4 *Star Wars* movies.

Answer: John **Williams**

12) Directly affecting the brain, this chemical's official name is nepetalactone, which is chemically similar to hallucinogens. Native to Europe and currently a weed in North America, it is a perennial herb of the mint family known as *Nepeta cataria*. The funny thing is that this chemical only seems to affect felines. FTP, name this chemical, often added to cat products causing cats to become extremely playful for about 10 minutes.

Answer: **catnip**

13) It was once the site of swamps and grassy plains inhabited by woolly mammoths, giant sloths, and bison. A French commander authorized a dig there in 1739, making it the first paleontological site in North America and the most important site for Quaternary mammal fossils in Kentucky. FTP, name this state park that comprises 525 acres of land along the Ohio River.

Answer: **Big Bone Lick**

14) He served as general secretary of the National Union Party and Speaker of the Parliamentary Assembly before becoming his country's Vice President in 1969. Thrust into the presidency a year later by the unexpected death of Nasser, he followed Soviet advice in launching the October War in 1973. Its failure led him to break with the USSR and seek both peace and American support, which ultimately cost him his life. FTP name this Egyptian president assassinated in 1981 for his signing a peace treaty with Israel in 1979.

Answer: Anwar el-**Sadat**

15) The protagonist becomes enraged at the injustice of war after seeing a friend's death, and by book's end he returns to his regiment and fights with courage and without illusions. Quite a turnaround for Henry Fleming, who ran with fear during his first major action, although he got the requisite wound from a slight blow to the head from a deserter. FTP name this 1895 Civil War novel by Stephen Crane.

Answer: The **Red Badge of Courage**

16) If you were a Hindu, and setting out on a journey or beginning an undertaking, you might say a prayer to this son of the god Shiva and his wife Parvati, as he is the patron god of scribes and the remover of obstacles. FTP, name this god who, after coming between his parents in the midst of sexual intercourse, was beheaded by his father and given the head of an elephant.

Answer: **Ganesh.**

17) It made household names of such curious figures as security guard Frank Wills, private investigator Tony Ulasewicz, and personal secretary Rosemary Woods. FAA administrator and former White House functionary Alexander Butterfield blew the case wide open by revealing something he didn't know was top secret -- the existence of a voice-activated tape recording system at the White House. FTP give the common name for this political scandal of 1972-1974, named for the complex containing the bugged headquarters of the Democratic National Committee.

Answer: **Watergate**

18) In general terms it is equal to two times the gravitational constant times the mass of the body divided by the square of the speed of light. At this distance, the escape velocity from a black hole is equal to the speed of light, indicating that nothing can ever leave, and any body is a black hole if all its mass is inside a sphere having this specially named radius. FTP, identify the name for the radius that separates stars from black holes, which for a star with the sun's mass is equal to three kilometers.

Answer: **Schwarzschild radius**

19) Born in Rutherford, NJ in 1883, while attending Horace Mann High School, he decided to be a doctor, but didn't want to leave behind the world of poetry. Even while getting his MD from the University of Pennsylvania, he got drawn into the Imagist movement when he met Ezra Pound. FTP, name this author of the collection "Pictures from Breughel and Other Poems", the poem "The Red Wheelbarrow" and the five volume epic "Paterson".

Answer: William Carlos **Williams**

20) In 1889, Fusajiro Yamauchi founded this company, run today by his great-great grandson. In 1959 the company changed from card games to collectible cards that featured Walt Disney characters. Once again in 1977 the company changed what they made, this time dropping cards altogether for the then-new video game industry. FTP name this company that released the Famicom in Japan in 1983, and brought the system to the United States in 1985 under a different name.

Answer: **Nintendo**

21) In Massinger's Old Law and Shakespeare's A Comedy of Errors, the term is used for a courtesan. In films, examples have been portrayed by Daryl Hannah and drawn by Disney artists. And in modern advertising, one is associated with a particular brand of tuna. FTP name this mythical marine creature.

Answer: **mermaid**

22) A red supergiant, this star is roughly 700 times the diameter of the sun, but has only about 10 times more massive. It is also known as Vespertilio and Kalb al Akrab, and is the namesake of a U.S. Navy vessel in the Military Sealift Command Strategic Sealift Force. Its name comes from the Greek for "rival of Mars." FTP, name the brightest star in the constellation Scorpius,

Answer: **Antares**

1) As *Magill's Survey of Cinema* says, "The *Rocky Horror Picture Show* serves as a reminder that the word 'fan' is an abbreviated form of 'fanatic'." For the stated number of points, given an actor, name his or her character in the movie. (We'll accept first or last name, where appropriate.)

- a) 5 points – Barry Bostwick Answer: **Brad Majors**
 b) 5 points – Tim Curry Answer: **Dr. Frank-N-Furter**
 c) 5 points – Susan Sarandon Answer: **Janet Weiss**
 d) 5 points – Richard O'Brien Answer: **Riff Raff**
 e) 10 points – Jonathan Adams Answer: **Dr. Everett Scott**

2) --There have been to date 3 husband-wife teams who have shared Nobel Prizes. Name them from brief descriptions FTPE:

- a) They shared the 1903 Nobel in Physics with Henri Becquerel for their radiation experiments.
 Answer: Pierre and Marie **Curie**
 b) They shared the 1935 Nobel in Chemistry for artificially producing radioactive substances.
 Answer: Frederic **Joliot** and Irene Joliot-Curie [accept Joliot or Joliot-Curie; prompt on Curie]
 c) They shared the 1947 Nobel in physiology and Medicine with B.A. Houssay for their discovery of how the human body breaks down glycogen.
 Answer: Carl and Gerty **Cori**

3) Answer the following about Robert A. Heinlein's works for ten points each.

- a) The right to vote is earned only after completion of at least two years of Federal Service in this book set in the 22nd century.
 Answer: **Starship Troopers**
 b) Slug like creatures invade Earth by taking over each person's nervous system and controlling them.
 Answer: **The Puppet Masters**
 c) A wealthy dying man's brain is transplanted into the body of his young secretary after she is killed by muggers.
 Answer: **I Will Fear No Evil**

4) Given a list of titles, name the poet from the English Romantic era on a 10-5 basis:

- a) 10 points: "Yew Trees," "Lucy Gray," "Strange Fits of Passion Have I Known"
 5 points: "The World Is Too Much With Us," "I Wandered Loney as a Cloud," "Ode: Intimations of Immortality"
 Answer: William **Wordsworth**
 b) 10 points: "Stanzas to the Po" and "Stanzas for Music," including "There Be None of Beauty's Daughters" and "The Say That Hope Is Happiness"
 5 points: "When We Two Parted," "She Walks in Beauty," "Childe Harold's Pilgrimage"
 Answer: George Gordon (Lord) **Byron**
 c) 10 points: "Work Without Hope," "Frost at Midnight," "The Eolian Harp"
 5 points: "Christabel," "Kubla Khan," "The Rime of the Ancient Mariner"
 Answer: Samuel Taylor **Coleridge**

5) For ten points each, help one of your tournament editors relive his freshman year in college, and identify these F's in chemistry. Note that the answer is not necessarily one word, but the phrase starts with the letter f.

- 1: It is equal to the electric charge of one mole of electrons, or 96,487 coulombs.
 Answer: **Faraday**
 2: It is a compound with the formula CH₂O. It is a gas at ordinary temperatures, but can be mixed into solutions and used as a disinfectant, insecticide, fungicide, deodorant, or resin.
 Answer: **Formaldehyde**
 3: It is the temperature at which a liquid yields enough vapor to ignite.
 Answer: **Flash point**

6) 30-20-10: identify the early 20th-century from clues.

30) Born in 1855 in Terre Haute, IN, he left high school at 14 to become a painter in railroad yards. Within a year, he'd become a fireman on a railroad, a job he held for 4 years.

20) Though he left the railroads, this future Socialist maintained a close tie with them, becoming a charter member of the Vigo (Co.) Lodge of the Brotherhood of Locomotive Firemen. By 1893, he'd founded the the American

Railway Union.

10) In 1920, he garnered 3.3% of the popular presidential vote while in prison for violating the Alien and Sedition Acts.

Answer: Eugene V. **Debs**

7) Given a description of a particular logical fallacy, identify it for ten points. Only the Latin identifications of these fallacies will be accepted.

a) This fallacy occurs when it is argued that a proposition is true because it has not been proved false or that it is false because it has not been proved true.

Answer: **ad ignorantiam**

b) This fallacy occurs when the person who asserts or defends a particular conclusion is attacked instead of the conclusion.

Answer: **ad hominem** (note: ad hominem arguments can be either abusive or circumstantial)

c) Synonymous with non sequitur, this fallacy is committed when an argument purporting to establish a particular conclusion is instead directed to proving a different conclusion.

Answer: **ignoratio elenchi**

8) Given a pair of notable plays in the tradition of the Theater of the Absurd, name the author FTPE:

a) *The Bald Soprano* and *Rhinoceros*

Answer: Eugene **Ionesco**

b) *The Caretaker* and *The Dumb Waiter*

Answer: Harold **Pinter**

c) *Endgame* and *Waiting for Godot*

Answer: Samuel **Beckett**

9) 30-20-10: Name the painter from clues

30: Born in 1577, he used a flowing and colorful style and influenced a whole school of French painting.

20: His altarpieces include those for the churches of Santa Croce di Gerusalemme and of Chiesa Nuova, pieces considered his first widely acknowledged masterpieces.

10: Involved in the Counter Reformation, he painted Triptych of the Raising of the Cross (1610-1), but his religious fervor did not stop his painting of mythological scenes such as his *The Judgment of Paris*.

Answer: Peter Paul **Rubens**

10) FTPE answer the following about the always-volatile Middle East in the late 20th century:

a) In 1967 Egypt, Jordan, and Syria fought Israel – badly – in this brief encounter.

Answer: the **Six Day War** [grudgingly accept Arab-Israeli War of 1967, but do not prompt on Arab-Israeli War]

b) At first Egypt and Syria seemed to fare better in this 1973 war against Israel, but supplies and logistical support from the U.S. helped Israel regain the upper hand. Comparable Soviet aid Egypt and Syria expected never materialized.

Answer: the **October War** or the **Yom Kippur War**

[grudgingly accept Arab-Israeli War of 1973, but do not prompt on Arab-Israeli War]

c) On July 4, 1976, in one of the coolest tactical raids in history, Israeli commandos rescued over 100 hostages from a hijacked airliner at this Ugandan airport. One key trick they used was flying in a limousine with an Idi Amin lookalike.

Answer: **Entebbe**

11) 30-20-10, name's the same, first and last.

30) One was a co-writer of half the score to a short-lived musical in 1927 called *The New Yorkers*.

20) Another started as a stake driver in Andrew Carnegie's steelworks and rose through the ranks to become president of Carnegie Steel in 1897, then the first president of US Steel in 1901.

10) The most famous, today anyway, started a brokerage company in San Francisco in 1971, and shifted his focus to discount brokerage once fees were deregulated in 1975. Today, his online brokerage house has over 7.5 million investors, who hold over \$800 billion in assets.

Answer: **Charles Schwab**

12) Given the name of the bone, identify its location FTPE. [READER: accept equivalents, or even accurate gestures.]

- A) Stapes Answer: **Ear**
B) Hyoid Answer: **Throat**
C) Axis. Answer: **Neck**

13) FTPE name these games or series that have appeared on Nintendo systems from the given clue.

a) The first game to be set in the kingdom of Hyrule

Answer: **The Legend of Zelda**

b) The recent game that starred a foul-mouthed, hard-drinking squirrel.

Answer: **Conker's Bad Fur Day**

c) The Nintendo 64 game that has the gamer clear a path for a run-away nuclear transport truck.

Answer: **Blast Corps**

14) Give the name of the rule, principle, or effect in atomic physics from a description for ten points each.

a) In general, the electrons in a subshell remain unpaired-that is, have parallel spins-whenver possible.

Answer: **Hund's rule**

b) No two electrons in an atom can exist in the same quantum state.

Answer: **Pauli exclusion principle**

c) An atom with a missing inner electron can lose excitation energy without emitting an x-ray photon by ejecting another outer-shell electron.

Answer: **Auger effect**

15) Name the Kurt Vonnegut novel from characters FTPE. We tried real hard to avoid the recurring ones.

a) Jonah, Bokonon, and Dr. Felix Hoenikker Answer: **Cat's Cradle**

b) Billy Pilgrim and Montana Wildhack Answer: **Slaughterhouse-Five**

c) Dwayne Hoover and Wayne Hoobler Answer: **Breakfast of Champions**

16) No fair looking at your quarters. You know the original 13 colonies, but F5PE in any order name the next six U.S. states to enter the Union.

Answer: **Vermont, Kentucky, Tennessee, Ohio, Louisiana, and Indiana**

17) Identify the series or sequence being described for ten points each. If you need terms from the series, you will earn only five points.

a) 10-It is defined recursively by the conditions: $f_1=1$, $f_2=1$, $f_n = f_{n-1} + f_{n-2}$, $n \geq 3$.

5-The first terms are 1, 1, 2, 3, 5, 8, 13, ?

Answer: **Fibonacci** sequence

b) 10-Each term in the series is obtained by multiplying it by the common ratio r . It is convergent for the absolute value of r less than one but divergent when r is less than or equal to negative one or greater than one.

5-For $r = 1/2$, this type of series might look like $1/2 + 1/4 + 1/8 + 1/16 + 1/32 + ? + 1/2^n$, which is equal to one.

Answer: **geometric** series

c) 10-For each fixed x the series is a series of constants that can be tested for convergence or divergence. It may converge for some values of x but not for others, and the sum of the series is a function whose domain is the set of all x for which the series converges. If appropriate coefficients are chosen, this series can be used to represent other types of series, such as the geometric.

5-Using c to denote a constant coefficient, terms of this series would be $c_0 + c_1x + c_2x^2 + c_3x^3 + ? + c_nx^n$.

Answer: **power** series

18) From their similar capitals, identify the Caribbean nations F5PE:

a) Saint John's Answer: **Antigua and Barbuda**

b) Saint George's Answer: **Grenada**

c) Santo Domingo Answer: **Dominican Republic**

d) Kingston Answer: **Jamaica**

e) Kingstown Answer: **St. Vincent and the Grenadines**

f) Bridgetown Answer: **Barbados**

19) 30-20-10: name the author from quotes.

30) "People who count their chickens before they are hatched, act very wisely, because chickens run about so absurdly that it is impossible to count them accurately."

20) "Men become old, but they never become good."

10) "Either those curtains go or I do."

Answer: Oscar **Wilde**

20) Frenchmen have a long history of getting pissed and killing each other. A very good example is the French Wars of Religion. FTPE, name the Huguenot leader.

a) Probably the foremost of all the Huguenots, this nobleman rose to the rank of colonel general of the infantry, then was made admiral of France in 1552. After becoming the leader of the Huguenot forces, he was slain in cold blood at the orders of Catherine de' Medici in the Saint Bartholomew's Day Massacre during a declared truce.

Answer: Gaspard de Châtillon de **Coligny** (kohl-an-ye)

b) After the death of Coligny, this ruthless warlord took up arms at the head of the Dauphinese forces, laying waste to much of the countryside, even going so far as to throw the Catholic men, women and children from the city walls of Mornas (*mor-nah*) after its taking. He was largely responsible for the virtual eradication of Catholics within the province of Dauphiné, for which he was captured and publicly beheaded in Grenoble on August 13, 1575.

Answer: Charles "le Brave" du Puy de **Montbrun** (Du Puy could also be accepted.)

c) A former aide to de Coligny, he later became an advisor to Henry of Navarre, and was very influential in the promulgation of the Edict of Nantes (*nahnt*). He served in many capacities, such as ambassador to Spain and Flanders. FTP, name this "Pope of the Huguenots".

Answer: Philippe **du Plessis-Mornay**

21) Name these famous cross-dressers who aren't J. Edgar Hoover, FTPE.

A) Certainly in the running for the title "worst director of all time", he redeemed himself by reviving Bela Lugosi's career only to destroy his reputation again with *Plan Nine from Outer Space*.

Answer: Ed **Wood Jr.**

B) He allegedly dressed as a woman in order to escape from the battle of Culloden in 1748.

Answer: **Bonnie Prince Charlie** (accept Charles Stuart or Charles of Stuart)

C) With a music career starting in 1933, this Oklahoma-born singer, saxophonist and pianist was married five times and only discovered to be a woman after her death in 1989.

Answer: Billy (or Dorothy) **Tipton**