

1. 15 years before Custer, he graduated dead last in the prestigious West Point class of 1846. But he distinguished himself in the Mexican-American War, becoming the first man to scale the walls of Chapultepec. During the Civil War, he found glory in the Army of Northern Virginia elusive, being wounded at Fair Oaks and held in reserve at Fredericksburg. He believed he again had missed an opportunity during Lee's second invasion of the North, his division being last in the Confederate column. However, Lee called on his men to comprise the bulk of his July 3rd attack. FTP, name this Confederate general associated with the disastrous Gettysburg charge.

Answer: **George Pickett**

2. It is a vector equation and describes a force of infinite range that follows the inverse square law. One implication of this law is that the electromagnetic field obeys an additive superposition, allowing complex charge problems to be broken down into simpler problems then added. FTP identify this physical law that relates the force between two charged particles, which can be stated simply as "like forces repel, unlike forces attract."

Answer: **Coulomb's Law**

3. Like many of its author's works, it's set in a fictional Louisiana plantation area called Bayonne. As a child at the end of the Civil War, the title character survives a massacre by former Confederate soldiers. Several distinct episodes show how she becomes a surrogate mother and steadying influence on many who pass through her life. When one of them, Jimmie Aaron, is killed while trying to integrate drinking fountains, this centenarian calmly leads the other blacks from the old plantation to march into town. FTP name this 1971 novel by Ernest Gaines.

Answer: ***The Autobiography of Miss Jane Pittman***

4. This concept has been revisited by Pierre Bordieu and by Fred Hirsch, who used it to explain the distribution of positional goods – goods with an inherently limited supply. The term was coined by Thorstein Veblen as a key component in his *Theory of the Leisure Class*. FTP give the two-word phrase for the purchase or use of goods mainly as a demonstration of one's social status.

Answer: **conspicuous consumption**

5. He attended Marshall High School in San Antonio, Texas where he was also in the chess club. He attended college at the University of Texas where he played behind Ricky Williams. This also probably explains why he wasn't drafted. This is, FTP, what NFL running back who plays for the Kansas City Chiefs?

Answer: **Priest Holmes**

6. She is the daughter of the giant Pallas and the river Styx was sent to fight on the side of Zeus against the Titans. Both Athena and Zeus can be seen carrying small figures of her indicating that she is an attribute of both of them. With Athena she is always wingless but when seen as a separate goddess she is always winged. She appears carrying a palm branch or wreath in works of art. She is not a subject of literature while she is a fairly common art subject, the most famous example being the Victory at Samothrace in the Louvre. FTP, give the name of this Greek goddess of victory.

Answer: **Nike**

7. Normally taking thousands of year to progress, it has been greatly accelerated due to excessive amounts of plant nutrients added to lakes and streams in various ways. Runoffs from agricultural fields, urban lawns, and golf courses as well as domestic sewage serve as just a few of the sources that contribute to the problem. The excessive growth of algae promoted by these nutrients change the water quality leading to oxygen depletion and resultant fish kills. FTP, identify this ecological phenomenon in lakes and streams that has lead to the disappearance of many native fish species.

Answer: **eutrophication**

8. One of its subdivisions was the 99th Pursuit Squadron, which operated out of Tunisia in 1943. Another was the 332nd Fighter Group which was led by its first commander, Benjamin O. Davis, who died in July, 2002. Created by the Roosevelt administration in response to pressure to allow more opportunities for blacks, FTP, what name is given to these flyers who trained in Alabama?

Answer: **Tuskegee Airmen**

9. Douglas Engelbart conceived it in 1963, but he did not win a major award for it until 1997. He applied for a patent in 1970, describing it as an “X-Y position indicator for a display system.” Newer ones have used infrared sensors to replace the rubber ball. FTP, name this computer input device with a rodent-like name.

Answer: **mouse**

10. Blah blah blah happy ending, blah blah impoverished blah hard times. Blah blah Edward Ferrars finally proposes, blah blah steady Elinor, blah blah blah more spirited Marianne blah blah sturdy Col. Brandon, not the unscrupulous John Willoughby. FTP blah blah blah Dashwood sisters blah blah anonymously in 1811 by Jane Austen.

Answer: **Sense and Sensibility**

11. His master architect, Sinan, built the namesake mosque of this ruler, as well as over 300 other buildings in his capital, after his time with the Janissaries. He also empowered Khoja Chelebi to create a formal legal code, earning for this ruler the title of “lawgiver.” Though it was under his rule that his empire reached its furthest territorial extent, his navy did lose at Lepanto. FTP name this Ottoman sultan, nicknamed “the Magnificent.”

Answer: **Suleiman I** (acc. “the Magnificent” on early buzz; they don’t have to say “the first”)

12. First, electrons are excited and passed to the primary acceptor on the thylakoid membrane, replaced by water which splits, giving off hydrogen and oxygen. The electrons are then passed along the transport train, creating ATP. The electrons are passed again, this time to the NADP⁺ reductase enzyme forming NADPH. The ATP and NADPH are used in the Calvin cycle to turn carbon dioxide into glucose or another organic compound. FTP, name this process that takes place in chloroplasts, which converts light energy into food for plants.

Answer: **photosynthesis**

13. This poem is a prime example of Blake’s aphorism “As the eye, such the self.” The speaker exuberantly takes in the scenery; describing it with a sense of wonder with lines like “Once again I see/ These hedge-rows, hardly hedge-rows, little lines/ Of sportive wood run wild.” Though the poem is actually called “Lines”, it is known by a more famous title and was, as the subtitle states, composed a few miles above the titular location. FTP, name this poem by William Wordsworth.

Answer: **“Tintern Abbey”** (accept **“Lines”** before said)

14. Denis Gabor won the 1971 Nobel in physics for this discovery, though he created the first ones without a laser. Typically, coherent light from a laser is reflected from an object and combined at the film with light from the reference beam. The recorded interference pattern contains much more information than a focused image and creates a 3-D image that can be viewed from any angle. FTP name this type of lensless photography.

Answer: **holography** (grudgingly acc. “hologram”)

15. The name’s the same, first and last. One was a 20th century British painter who decried the savagery of World War II in such works as *Three Studies for Figures at the Base of a Crucifixion* and a work simply titled *Painting*. The other was created Viscount St. Albans in 1621 in recognition for his efforts as Lord Chancellor under James I, but is better known for philosophical writings such as *The Advancement of Learning* and *Novum Organum*. FTP give the shared name.

Answer: **Francis Bacon** (oh, all right, be kind and prompt on a partial answer)

16. In 1978, it was given home rule by its ruling nation, which gave it the right to change the name of cities and other places to its original language; as a result of this, the name of its capital city was change from Godthab to Nuuk, and this colony’s official name is now Kalaallit Nunaat. Its main export is fish, which is fitting, since it is the world’s largest non-continental island. For ten points, names this massive colony of Denmark.

Answer: **Greenland** (accept **Kalaallit Nunaat** early)

17. Based on a French comedy called *Le Reveillon*, this three-act operetta focuses on the wealthy Austrian Gabriel von Eisenstein. The main action focuses on a grand ball given by the Russian Prince Orlofsky, and long story short, Dr. Falke gets his gentle revenge on Eisenstein, at whom he was angry because Eisenstein made Falke walk through town wearing a carnival costume with an animal mask, from which the title comes. FTP name this Johann Strauss work whose name in English is “The Bat.”

Answer: **Die Fledermaus**

18. Bahadur Shah II was the last of the line, dying in 1862, leading to official status of the empire as a British colony. This royal line began in 1526 when its founder defeated Ibrahim, the sultan of Delhi, in the first battle of Panipat. Other members of the line included Humayun and Jahangir (ZHA-han-geer). Begun by Babur, FTP name this line of Muslim Indian emperors that also included Akbar and Shah Jahan.

A. Moguls

19. QUOTE: "The memory of you emerges from the night around me. / The river mingles its stubborn lament with the sea." So begins the last poem of this *man's most famous collection. He was beloved as the people's poet both in his home country and abroad, as shown in the movie *Il Postino*. Works such as *Odas elementales* and *Canto general* solidified this man's international reputation, and he won the Nobel Prize in 1971. FTP, name this Chilean poet, author of *Twenty Love Poems and a Song of Despair*.

Answer: Pablo Neruda (prompt on *Twenty Love Poems and a Song of Despair* until asterisk)

20. This land lies on the eastern side of Belegaer, a great sea, and its farthest northern reach is simply called the Northern Waste, while its most southerly area is called Haradwaith. It is bifurcated by the Misty Mountains, which separate the regions of Eriador and Gondor from Rhovanion and Rhun. Also including areas like Rivendell and Mordor, FTP name this fictional land of elves, orcs, and hobbits created by J.R.R. Tolkien.

A. Middle Earth

21. One version of his story says he wanted to be "the best steel driver in the whole of Virginia" and could drill a hole 14 feet deep in only 30 minutes. For 10 points--name this folk hero whose final contest against a machine cost him his life.

Answer: John Henry

22. Botanically classified as *laphophora williamsii*, it has probably been used in spiritual rituals for over 2,000 years by various tribal peoples, including the Nahuatl and Aztecs. Its ingestion by Carlos Castaneda in the first of his Don Juan books led him to urinate all over himself while wrestling with a dog, but he still dug it. Featuring the psychoactive alkaloid mescaline, FTP this describes what southwestern cactus?

Answer: peyote (early buzz on mescaline is just wrong)

23. Almost every one of her novels revolved around the same successful plot format--haunting tales of terror in which apparently supernatural occurrences are explained in the last chapter by natural and rational causes. Many Gothic authors who followed her were inspired by such works as *The Italian* and *A Sicilian Romance*. For ten points, name this author whose most popular work is *The Mysteries of Udolpho*.

Answer: Anne Radcliffe

1. Name this influential rock band, 30-20-10:

30) [READER: HAND OUT ATTACHMENT] This handout shows cover art from two of their albums from the 1980's.

20) Fronted by David St. Hubbins with Nigel Tufnel on guitar and Derek Smails on bass, and pressing on despite the untimely deaths of several drummers, their heavy metal songs include "Rock 'n' Roll Creation," "Big Bottom," and "Stonehenge."

10) The band, as portrayed by Michael McKean, Christopher Guest, and Harry Shearer, has taken on a life of its own after it was created for a 1983 film parody of documentaries directed by Rob Reiner.

Answer: **Spinal Tap**

2. None of them played drums for Spinal Tap, but they're dead anyway. 5-10-15, name the member of the Russian Five who composed the following:

A. (5 pts.) "Night on Bald Mountain"

Answer: Modest **Mussorgsky**

B. (10 pts.) "Scheherazade"

Answer: Nikolai **Rimsky-Korsakov**

C. (15 pts.) "In the Steppes of Central Asia"

Answer: Aleksandr **Borodin**

3. FTPE name these skilled Native American military leaders:

(a) Not so much a warrior as an escape artist, he led the Nez Perce on a 1500-mile trek that fell just short of Canada.

Answer: Chief **Joseph**

(b) This Hunkpapa Sioux chief was also less of a fighter than most thought. He was not a war leader at Little Big Horn, but he foretold the victory and his followers believed that his magical powers made it happen.

Answer: **Sitting Bull** or Tatanka

(c) This guy, on the other hand, was a warrior. An Oglala Sioux chief, he blocked Army efforts to secure the Bozeman Trail and forced the U.S. to sign a treaty in 1868, making him the only Native American to win a war against the U.S.

Answer: **Red Cloud**

4. Given a novel from the heyday of American naturalism, name the author FTPE:

(a) The Jungle

Answer: Upton **Sinclair**

(b) The Octopus

Answer: Frank **Norris**

(c) Sister Carrie

Answer: Theodore **Dreiser**

5. Answer the following about your friend, the virus, FTPE.

A. This is the protein shell that encloses the viral genome.

Answer: **capsid**

B. Viruses that infect bacteria are known as what?

Answer: bacteri**ophages**

C. The first virus, identified by Wendell Stanley in 1935, was what phage that attacked plants?

Answer: **tobacco mosaic** virus

6. Answer the following about a certain Russkie 5-10-15.

A. (5.) This Russian count wrote many fictional works, including the massive *War and Peace*.

A. Leo **Tolstoy**

B. (10.) What Tolstoy novel's heroine throws herself in front of a train at the end of the work?

A. *Anna Karenina*

C. (15) This Tolstoy title character only confronts the big questions of existence when he learns he is dying of cancer.

A. **Ivan Ilyich** (the novel is *The Death of Ivan Ilyich*)

7. **TRAVELS WITH CHARLIE:** Earlier we mentioned your genial quizmaster's county-collecting obsession. FTPE name these states which have confused the issue for him:

(a) Reflecting the Catholicism predominant among its early settlers, this state calls its 56 judicial divisions parishes instead of counties.

Answer: **Louisiana**

(b) It was only in the late '70's that this state formed 16 county equivalents called boroughs, among them Sitka, Kenai Peninsula, and North Slope. That still left territory called the "unorganized borough" that's divided into 11 census areas.

Answer: **Alaska**

(c) In this state, by law all cities are independent cities apart from the surrounding counties. At last count there were 41 such cities, of which 14 (including Fairfax, Falls Church, and Manassas) let the county maintain their vital records.

Answer: **Virginia**

8. Given the name of a polyatomic ion, give the formula F5PE and the correct charge for another 5:

A. permanganate

Answer: **MnO₄⁻** (M-N-O 4-minus)

B. carbonate

Answer: **CO₃²⁻** (C-O-3 2-minus)

C. ammonium

Answer: **NH₄⁺** (N-H 4-plus)

9. Answer the following about a dark period in recent American history FSNOP.

A. (10 pts.) Government investigations into citizens suspected of communism were led by this Congressional committee, headed first by Martin Dies and then by J. Parnell Thomas.

Answer: **House Un-American Activities Committee** (accept HUAC)

B. (5 pts.) This Wisconsin senator is most associated with the harassment of those suspected to have communist ties.

Answer: Joseph (Joe) **McCarthy**

C. (15 pts.) This name is given to the group of screenwriters, directors and other movie folk who were blacklisted by the major studios after they refused to answer the questions of the HUAC.

Answer: **Hollywood Ten**

10. Pencil and paper may be helpful. Note the following equation of a circle: $(x-2)^2 + (y+1)^2 = 16$. FTPE (10 seconds/part):

10) The point that is the center of the circle

Answer: **(2, -1)**

10) The diameter of the circle

Answer: **8**

10) The radius of the circle

Answer: **4**

11. He was Doc Brown's favorite writer in the *Back to the Future* movies, and Doc's sons are named for him.

A. First, for five points, name this author of *A Voyage to the Center of the Earth*.

Answer: Jules **Verne**

B. For ten points each, name the Englishman who wins a bet that he can travel around the world in eighty days and his French valet in another Verne work.

Answer: Phileas **Fogg**, **Passepartout**

12. Name these South African leaders past and present FTPE.

A. This man is currently president of the African National Congress as well as the nation.

Answer: Thabo **Mbeki**

B. Mbeki's immediate predecessor, he headed the ANC during the 27 years he was behind bars before becoming the country's president.

Answer: Nelson **Mandela**

C. Mandela's immediate predecessor as president, this man was less conservative than his predecessor, Pieter Botha.

Answer: F. W. **De Klerk**

13. Answer the following about Hinduism FTPE.

A. These earliest Hindu writings can be divided into the Atharva, Sama, Yajur and Rig.

Answer: Vedas

B. This term designates an incarnation of a god, such as Vishnu's appearance as Krishna or Buddha.

Answer: avatar

C. This is the ultimate goal of all Hindus, a state of release from samsara in which a person is at one with god.

Answer: nirvana

14. FTPE name these types of stars:

(a) Rigel in Orion is an example of this rare type of star, the hottest and most luminous.

Answer: **blue supergiants**

(b) Subcategories of these include the RR Lyrae, Cepheid, and long-term.

Answer: **variable stars**

(c) The remnant of a star with a mass between 1.4 and 3 solar masses that implodes, forcing subatomic particles together.

Answer: **neutron star**

15. Name the actors given the series and character FTPE. If you need other roles, you'll get five.

10) He is famous for playing T.J Hooker on the television show of the same name.

5) Captain James T. Kirk from the original Star Trek series

Answer: William **Shatner**

10) He is Professor Charles Xavier in the *X-Men* films

5) Captain Jean-Luc Picard from *Star Trek: The Next Generation*

Answer: Patrick **Stewart**

10) He was Dr. Sam Beckett in the television show *Quantum Leap*.

5) Captain Jonathan Archer from *Enterprise*

Answer: Scott **Bakula**

16. Name these sites visited by Lemuel Gulliver FTPE.

A. His second voyage ends in this land of giants.

A. Brobdignag

B. During his third voyage he visits this flying island inhabited by absent-minded folk.

A. Laputa

C. This is the island on which Gulliver participates in an argument over how best to open a hard-boiled egg, soon after being tied down by its tiny inhabitants.

A. Lilliput

17. Venus is an enduring subject for painters, perhaps because she's always buck nekkid. Name the painters of the following FSNOP.

A. (15 pts.) The Toilet of Venus (aka The Rokeby Venus)

A. Diego Velasquez

B. (10 pts.) The Venus of Urbino

A. Titian

C. (5 pts.) The Birth of Venus

A. Sandro Botticelli

18. Answer the following about the Falls of Rome(s) FTPE if exactly correct, or 5 pts. if within 25 years:

A. The Eastern Roman Empire lasted much longer than the Western. In what year that also saw the end of the Hundred Years War did the Eastern Empire fall?

Answer: **1453** (5 pts. for 1428 to 1478)

B. Rome fell many times to barbarians, but what year is traditionally considered the fall of the Western Roman Empire?

Answer: **476** (5 pts. for 451 to 501)

C. Rome also was sacked shortly before in what year by Alaric?

Answer: **410** (5 pts. for 385 to 435)

Reader's note: Do not require them to say A.D. or C.E. with the year, but no points if they specify B.C. or B.C.E.]

19. Name the constant from units and value on a 5, 10, 15 basis:

(5) 6.64 times ten to the minus 34 Joule seconds

Answer: **Planck's constant**

(10) 6.637 times ten to the minus 11 Newton Meters squared per kilogram squared

Answer: **Universal gravitational constant**

(15) 9.31 times ten to the minus 31 kilograms

Answer: **mass of an electron**

20. Identify the god or creature that will slay the following gods at Ragnarok FTPE.

A. Odin

Answer: **Fenrir** (acc. Fenris Wolf)

B. Tyr

Answer: **Garm**

C. Thor

Answer: **Midgard Serpent**

21. For 5 points each name these tallest mountains of:

A. California

Answer: **Mt. Whitney**

B. The US

Answer: **Mt. McKinley or Denali**

C. The Alps

Answer: **Mt. Blanc**

D. South America

Answer: **Aconcagua**

E. Antarctica

Answer: **Vinson Massif**

F. Mars

Answer: **Olympus Mons**

22. Jay-Z, Sean Paul, or neither? Given a song title and artist, identify if the featured artist is Jay-Z, Sean Paul, or neither, FTPE.

10) "Crazy In Love", Beyonce

Answer: **Jay-Z**

10) "Frontin'", Pharell Williams

Answer: **Jay-Z**

10) "Baby Boy", Beyonce

Answer: **Sean Paul**

