

1. Many of his most acclaimed works dealt with the events of his day. His first success was *Heroic Stanzas*, on the death of Oliver Cromwell, followed by *Astrea Redux* (a celebration of the Restoration) and *Annus Mirabilis* (on the eventful year of 1666.) *MacFlecknoe* lampooned Thomas Shadwell, his eventual successor as Poet Laureate. FTP name the first official Poet Laureate, who also wrote the plays *All for Love* and *Marriage a la Mode*.

Answer: John **Dryden**

2. Ernest Lawson. William James Glackens. John Sloan. Everett Shinn. George Luks. Maurice Prendergast. Arthur Davies. And Robert Henri. These American painters united in 1908 out of opposition to academic standards in the art world. Despite their stylistic differences, their focus on scenes of urban realism led to their collaboration on the influential Armory Show in 1913 and inspired others who were soon lumped with them by critics under the sobriquet "Ashcan School." FTP give the collective name by which these influential painters are known.

Answer: the **Eight**; accept **Ash Can** School before it is mentioned; accept **Armory** Show before "1908".

3. He fled France in 1791, but later became king. His reign began the Restoration, and was marked by such events as the rise of the Ultraroyalists, the Hundred Days, and two treaties of Paris to close the Napoleonic wars. He gained the throne largely through the efforts of Talleyrand, and he was succeeded by Charles X. FTP, name this Bourbon king whose brother was beheaded in 1793.

Answer: **Louis XVIII** (Louis the 18th)

4. This geographical formation's features include the great horst of Ruwenzori, the Dead Sea, and lakes Rudolf and Tanganyika. It formed in the Pleistocene Epoch when the African continental shield was compressed, and it extends from the mouth of the Zambezi River northward through East Africa to the Red Sea. FTP, name this succession of valleys, an enormous depression that accounts for more than 3,000 miles of the earth's circumference.

Answer: **Great Rift** Valley (accept "East African Rift" Valley)

5. The ancient Greeks noticed at death that this part of the intestine was always empty of food, and thus it has its current Latinized meaning of this term. But this was ultimately an empty argument because the food passed into the ileum as the muscles contracted. FTP identify this middle segment, which along with the duodenum and ileum makes up the small intestine.

Answer: **jejunum**

6. Her last name is Reichardt, which was revealed when she sued the school board over the dress code. Her father calls her a "rare gem," and with José Peterson forms a baseball team in her own neighborhood that competes with the team of a friend she insists on calling Chuck. FTP, name this girl whose best friend Marcie always calls her "Sir."

Answer: **Peppermint Patty**

7. Many historians believe Associate Justice John Catron wrote much of the decision, but it was officially written by Chief Justice Roger Taney. The case involved the estate of John Emerson, who had moved to Illinois and the Wisconsin Territory in the 1830's. The plaintiff unsuccessfully argued that since slavery was prohibited in Wisconsin by the Missouri Compromise, he should no longer be in bondage. FTP name this damaging 1857 Supreme Court decision.

Answer: **Dred Scott** v. Sandford

8. As a member of the papal diplomatic service, he risked the wrath of Pius XII by secretly helping to save some non-converting Jews from the Holocaust. Upon the death of Pius XII, he was picked as a compromise choice because it was assumed that his advanced age would limit his impact. FTP name this pope, who from 1958 to 1963 instituted major reforms within the Catholic Church, especially through the Second Vatican Council.

Answer: **John XXIII** (if someone actually dredges up the name Angelo Roncalli, take it but grimace)

9. He retired from the navy at 27 with a small pension, and he tried working in engineering, real estate, art, and photography. But at age 32, his short story "Life-line" was published by the magazine *Astounding Science Fiction*, starting his new career. His books from the 1940s include *Rocket Ship Galileo* and *Sixth Column*, but he is most famous for later works. FTP, name this author of *The Moon is a Harsh Mistress*, *Starship Troopers*, and *Stranger in a Strange Land*.

Answer: Robert **Heinlein**

10. In Q.E.D. theory, it is the exchange boson which carries the electromagnetic force. It has a spin of one and a mass of zero. One is emitted from an atom when an electron falls from a higher orbital to a lower one, and according to quantum theory, its energy is equal to its frequency times Planck's constant. FTP name this elementary particle, the quantum of light.

Answer: **Photon**

11. Pencil and paper ready. Find the sum after eight days. Freda, the free-range chicken, lays three eggs on the first day, five eggs on the second day, seven eggs on the third day, and nine eggs on the fourth day. According to this pattern, you can find the sum after the n^{th} term by finding n times the average of the first and last terms. Since this is an arithmetic sequence, Freda lays seventeen eggs on the eighth day. FTP, assuming none were eaten in the meantime, how many eggs in all do you have on the eighth day?

Answer: **eighty** eggs

12. Despite his successful claims of land for Spain, this man was beheaded by a jealous governor with the helpful conniving of Francisco Pizarro. Earlier he and 190 men, guarded by dogs trained to attack natives, had hacked their way west through 100 miles of underbrush, at the end of which trip he waded fully armed into the Pacific. FTP who was this man, the first European to see the Pacific from the Americas?

Answer: Vasco Nunez de **Balboa**

13. Usually, a catalyst made of solid iron oxide mixed with potassium and aluminum oxide is used to drive it, meaning that it can take place at a temperature of about 400 degrees C and 250 atmospheres of pressure. Its equilibrium constant is about 1 million at room temperature, but decreases drastically with temperature, and it won its creator won the 1918 Nobel Prize in Chemistry. FTP name this ammonia-creating process.

Answer: **Haber** (or Haber-Bosch) process

14. The brewery that Bob and Doug McKenzie visit in *Strange Brew* has this name. The more famous literary one is based on Kronberg Castle which sits on the island of Zealand in the Danish city with a similar name. Home to Claudius and Gertrude, FTP what is this castle in which much of the action of *Hamlet* takes place?

Answer: **Elsinore**

15. On August 7, 1942, Marines from the U.S. 1st Division landed with little resistance and established a beachhead. The next day, however, the First Battle of Savo Sound weakened their naval support. The two squadrons of Marine flyers operating from Henderson Field caused havoc while the Japanese tried to drive the Marines off the island, and bitter hand-to-hand fighting continued there till February 1943. FTP name the largest of the Solomon Islands, site of the first large-scale invasion by U.S. forces of a Japanese-held island.

Answer: **Guadalcanal**

16. The protagonist has safely brought home the ship *Phaeron* after its captain has died, so the ship's owner, Monsieur Morrell, makes him the new captain. Three jealous men conspire against him, however, leading to his imprisonment under false charges. There he is tutored by the Abbe Faria, and when he escapes, he amasses a fortune and a noble title and uses it to get revenge. So goes, FTP, the plot of what novel featuring Edmond Dantes?

Answer: The **Count of Monte Cristo**

17. She starred with Jason Priestley in a music video for Roy Orbison's "I Drove All Night," and has also appeared in "The Hot Spot," "Dark City," "The Rocketeer," "Pollack," and "Requiem for a Dream." Her first role was as a little girl who danced in Sergio Leone's "Once Upon a Time In America." FTP, name this actress, who for 2001 won both the Golden Globe and the Oscar for Best Supporting Actress for "A Beautiful Mind."

Answer: Jennifer **Connelly**

18. As the piano accompanist to the Hungarian violinist Edward Remenyi, this composer met many influential musicians, including Robert Schumann. Schumann promoted his work strongly, and after Schumann's death the young composer became close to Schumann's wife, Clara. Known for the *Academic Festival Overture*, FTP, who is this composer of *A German Requiem* and third 'B' of classical music?

Answer: Johannes **Brahms**

19. This problem is resolved by the big bang theory, which puts forth that the Universe is non-uniform, dynamic, and (probably) finite. If the Universe is infinite, uniform, and unchanging, the further you looked out into space, the more stars there would be, and the entire sky at night would be about as bright as the Sun. FTP, identify this paradox named for a German astronomer.

Answer: **Olbers' Paradox**

20. The most well known depiction of one has the face of Khafre. First mentioned in Greek literature by Hesiod, he describes them as male and having wings, like earlier Asian versions. The most well known one was sent by Hera to Thebes, but then started bugging people with a riddle. FTP what is this lion-bodied creature, whose best-known depictions guards the Pyramids at Giza?

Answer: **sphinx**

21. They mix anapestic and iambic meter and have five lines with a rhyme scheme of a-a-b-b-a. They were popularized by Edward Lear in his 1846 *Book of Nonsense*, and their first line usually ends in a place name. FTP what are these often ribald or profane short poems, many of which seem to be about men from Nantucket?

Answer: **limericks**

22. The single feature that most distinguishes this procedure from other types is that the behavior of interest may be executed repeatedly by the learner. The properties of response will depend on the schedule of reinforcement, the automatic nature of which often requires computers rather than behaviorists to monitor the experiments. FTP this describes what type of conditioning favored by B. F. Skinner?

Answer: **operant** conditioning

23. She recently confirmed that she married producer Robert Smith (not of the Cure!) with whom she has been recording her forthcoming album Full Moon. Her first album was released in 1995 after the sitcom she was on (Thea) was canceled. Hits like "I Wanna Be Down" were just a prelude to her 1998 album Never Say Never, which featured "U Don't Know Me" and the duet with Monica "The Boy Is Mine." FTP, name this fine girl, former star of Moesha.

Answer: Brandy Norwood [accept either name]

1. Note the following orders of insects: coleoptera, diptera, hemiptera, homoptera, hymenoptera, isoptera, lepidoptera, neuroptera, orthoptera, and siphonaptera. F5PE name the order to which these bugs generally belong:

a) Butterflies and moths

Answer: **lepidoptera**

b) Bees

Answer: **hymenoptera**

c) Beetles

Answer: **coleoptera**

d) Grasshoppers and crickets

Answer: **orthoptera**

e) True flies

Answer: **diptera**

f) Fleas

Answer: **siphonaptera**

2. With the NFL draft taking place next weekend, ESPN's helmet-haired draft expert Mel Kiper Jr. gets his annual day in the limelight. Given players Kiper expects to be taken in the first round, name their colleges F5PE:

a) Defensive end Julius Peppers

Answer: **North Carolina**

b) Quarterback David Carr

Answer: **Fresno State**

c) Quarterback Joey Harrington

Answer: **Oregon**

d) Cornerback Quentin Jammer and offensive tackle Mike Williams

Answer: **Texas**

e) Running back T.J. Duckett

Answer: **Michigan State**

f) Defensive tackles Albert Haynesworth and John Henderson, as well as wide receiver Dontae Stallworth

Answer: **Tennessee**

3. I'll give you the title of a short story. You give me the author for 5 points each, with an additional five points for getting all five correct:

a) "The Lady or the Tiger?"

Answer: **Frank Stockton**

b) "My Mortal Enemy"

Answer: **Willa Cather**

c) "The Secret Life of Walter Mitty"

Answer: **James Thurber**

d) "The Man That Corrupted Hadleyburg"

Answer: **Mark Twain** (or **Samuel Clemens**)

e) "The Lottery"

Answer: **Shirley Jackson**

4. The worst tragedy in Olympics history took place when eleven Israeli athletes were killed by Palestinian terrorists. FTPE:

In what city did this take place?

Answer: **Munich**

In what year?

Answer: **1972**

What was the name of the Palestinian terrorist group that killed the eleven athletes?

Answer: **Black September**

5. Name the composers of the following works on a 10-5 basis:

a) 10 pts.: Der Rosenkavalier

5 pts.: Also Sprach Zarathustra

Answer: **Richard Strauss** [prompt on Strauss]

b) 10 pts.: Petrouchka and The Soldier's Tale

5 pts.: Rite of Spring

Answer: **Igor Stravinsky**

c) 10 pts.: L'Arlesienne and The Young Maid of Perth

5 pts.: Carmen

Answer: **Georges Bizet**

6. Supply the terms from astronomy FTP each.

(A) What brightest star in the constellation Boötes (the herdsman) is a red giant that is the fourth brightest star in our sky?

Answer: **Arcturus**

(B) Fragments of this short-period comet collided with Jupiter for six days during July of 1994, causing huge fireballs in Jupiter's atmosphere that were visible from Earth.

Answer: **Shoemaker-Levy 9**

(C) This hypothetical companion dark star to our Sun passes through the Oort cloud every 30 million years, triggering comets that cause periodic mass extinctions on Earth.

Answer: **Nemesis**

7. Identify these scandals from American history FTPE.

Massachusetts Rep. Oakes Ames was formally censured by the House in 1869 for involvement in this railroad scandal.

Answer: **Credit Mobilier**

Although the Elk Hills and Buena Vista Hills oil reserves were also illegally leased by Harding's interior secretary Albert Fall, the scandal is known by the name of this Wyoming oil reserve.

Answer: **Teapot Dome**

This group of distillers who had conspired to defraud the federal government of liquor taxes was investigated by Treasury Secretary Benjamin Bristow.

Answer: **Whiskey Ring**

8. Identify these people from the New Testament, for ten points each.

He was a leader of the Jews and a Pharisee. It was him to whom Jesus spoke in John 3, when he said, "For God so loved the world that he gave his only Son."

Answer: **Nicodemus**

He was the revolutionary whose release the crowd demanded, rather than Jesus'.

Answer: **Barabbas**

He was the chief tax collector of Jericho and was small in stature. He climbed a sycamore tree to get a good view of Jesus and Jesus stayed at his home, according to Luke.

Answer: **Zacchaeus**

9. FTPE name the German authors of the following works:

a) *Billiards at Half Past Nine* and *The Lost Honor of Katharina Blum*

Answer: **Heinrich Boll**

b) *The Flounder* and *The Tin Drum*

Answer: **Gunter Grass**

c) *Death in Venice* and *The Magic Mountain*

Answer: **Thomas Mann**

10. FTPE give the following math terms beginning with the letter D:

[10] This quantity tells how many roots a quadratic has.

Answer: **Discriminant**

[10] This line and the focus of a parabola are equidistant from the parabola's vertex.

Answer: **Directrix**

[10] In a 2x2 matrix with first row "a b" and second row "c d", this quantity is $a*d-b*c$.

Answer: **Determinant**

11. FTP each, identify the Cabinet positions from some past holders of the office.

A. Robert Reich, Frances Perkins, and Chattanooga native William Brock.

Answer: Secretary of **Labor**

B. Frank Kellogg, John Quincy Adams, and Henry Kissinger

Answer: Secretary of **State**

C. Stewart Udall, James Watt, and Bruce Babbitt

Answer: Secretary of the **Interior**

12. Identify these grandchildren of Zeus on a 10-5 basis.

(10) These two sons of Ares, with names meaning "fear" and "terror," accompanied him in battle.

(5) Their names now grace the two moons of Mars.

Answer: **Phobos and Deimos**

(10) This son of Aphrodite lends his name to the first asteroid found whose orbit didn't fall between Mars and Jupiter.

(5) Known as Cupid or Amor in Rome, he is personification of romantic love.

Answer: **Eros**

(10) This son of Apollo was the Greek god of medicine.

(5) Socrates' last words were ironic instructions to sacrifice a cock to this god.

Answer: **Asclepius**

13. FTPE answer the following about a certain quantity in chemistry:

a) It is defined as the negative logarithm of the hydrogen ion concentration of an aqueous solution. By what two-letter designation do we know this measurement?

Answer: **pH**

Pencil and paper ready. Perform the following pH calculations:

b) In 10 seconds or less - find the pH of a solution with a Hydrogen ion concentration of 0.01 Molar @ 25 degrees Celsius

Answer: **2**

c) In 10 seconds or less, what is the Molar concentration of hydrogen ions in a solution with a pH of 9 at 25 degrees Celsius?

Answer: **1×10^{-9}** [one times ten to the minus ninth Molar or moles per Liter]

14. Given members of a country group, name the group FTPE. If you need some of their hits, you'll only get 5 pts.:

a. FTP: Randy Owen, Jeff Cook, Teddy Gentry, Mark Herndon

FFP: 40-Hour Week, The Closer You Get, Down Home

Answer: **Alabama**

b. FTP: John Rich, Dean Sams, Michael Britt, Richie McDonald, Keech Rainwater

FFP: Amazed, I'm Already There, Smile

Answer: **Lonestar**

c. FTP: Duane Allen, Joe Bonsall, Richard Sterban, William Golden

FFP: Elvira, Bobbie Sue, Gonna Take a Lot of River

Answer: The **Oak Ridge Boys**

15. Complete the titles of the following Hemingway short stories FFPE with a bonus five for getting them all correct.

a) Hills Like

Answer: **White Elephants**

b) The Snows of

Answer: **Kilimanjaro**

c) The Short Happy Life of

Answer: **Francis Macomber**

d) A Clean,

Answer: **Well-Lighted Place**

e) Big Two-Hearted

Answer: **River**

16. Given a US river, name the state capital on its banks FTPE:

a) Charles

Answer: **Boston**

b) Willamette

Answer: **Salem**

c) Gila

Answer: **Phoenix**

d) James

Answer: **Richmond**

e) Kanawha

Answer: **West Virginia**

e) Scioto

Answer: **Ohio**

17. FTPE name these branches of philosophy:

a) The study of how knowledge is gained and what its limits are.

Answer: **epistemology**

b) The philosophical study of art, or of beauty in general, that seeks to explain how we evaluate beauty.

Answer: **aesthetics**

c) Especially in theology, it's the study of "final things" such as death, resurrection, immortality, or the end of the world.

Answer: **eschatology**

18. Answer these questions about Marco Polo, for ten points each.

First, name any of the decades in which Marco Polo lived in China.

Answer: 1270s, 1280s, 1290s (any is acceptable for ten points)

Which emperor of China did Polo serve as an ambassador and advisor?

Answer: **Kublai Khan**

Upon returning to Venice, Polo was captured during a war and told of his adventures while in prison. In what Italian city-state was Polo a prisoner?

Answer: **Genoa**

19. Answer these computational kinematics questions FTPE.

[10] A ball is dropped from a building on Earth (let the acceleration due to gravity equal 10 m/s^2). Give its speed after it has fallen 80 m.

Answer: 40 m/s

[10] Give the time, in seconds, it takes the ball to fall this far.

Answer: 4 s.

[10] Give, to the nearest ten, the ball's velocity after it falls *another* 80 m.

Answer: 60 (exact answer is $40\sqrt{2}$)

20. Given a line of Shakespeare, identify the woman that is being referred to.

(A) "Her voice was ever soft, Gentle and low, an excellent thing in a woman."

Answer: **Cordelia**

(B) "Age cannot wither her, nor custom stale her Infinite Variety."

Answer: **Cleopatra**

(C) "Bring forth men-children only"

Answer: **Lady Macbeth**

21. Identify these terms from anthropology FTPE.

This is an exceptionally powerful prohibition whose violation will attract strong sanctions from the community. An example is the prohibition of Muslims from eating pork.

Answer: **taboo**

As in music, this term refers to a regularly reoccurring theme in a culture's folklore or art.

Answer: **motif**

This adjective describes a people who trace descent and kin links through females.

Answer: **matrilineal** (acc. matrilineage)