

1. Mayella Ewell triggers racial tensions escalate in a small, Southern town when she accuses a black man of raping her. While their dad defends the unfortunate Tom Robinson, two children observe the changes in the people around them, when they're not busy playing with Dill, the boy who lives next door, or speculating on the true nature of the mysterious Boo Radley. FTP name this novel by Harper Lee about Jem, Scout, and Atticus Finch.

Answer: **To Kill a Mockingbird**

2. If this quantity is provided only by friction on a curve, an increase in speed could lead to an unexpected skid if the friction is insufficient. This is because this force is proportional to the square of the velocity, so a doubling of speed requires a four-fold increase in it. Meaning "center-seeking," FTP what is this force directed toward the center of any curved path.

Answer: **centripetal force**

3. He choreographed "Jeux," the first ballet to feature dancers in modern dress. After World War I, he slid into mental illness, fearing that a trap door on stage would be left open and that he would plummet through it. Inspired in his athletic movements by Isadora Duncan, FTP name this Russian dancer, the protege of Sergei Diaghilev, and the lead dancer in Petrushka and choreographer of "The Rite of Spring."

Answer: Vaslav **Nijinsky**

4. This one-time governor of Kansas was hailed as the only rising star of his party in the dismal era of the Depression because he had resisted an opposition landslide to win election to his state White House. The father of a future US Senator Nancy Kassebaum, he was nominated for president but won only two states, Vermont and Maine, ushering in the sarcastic statement, "as goes Maine, so goes ~~the nation~~." FTP, who was the 1936 Republican nominee against FDR?

Answer: Alf **Landon**

5. It is said by Vergil that one of Juno's grievances against the Trojans was the firing of her daughter Hebe as cupbearer to the gods so that this handsome Trojan youth might replace her. This innocent boy was spied by Jupiter on the hill of Mt. Ida and abducted by that god in the form of an eagle. FTP, who was this handsome lad, eternally young and pretty, whose name has been given to one of the larger moons of Jupiter?

Answer: **Ganymede**

6. Its unusual shape and size are attributable to territorial compromises arising from 19th-century Anglo-French rivalry in western Africa. Ranging from between 30 and 15 miles wide, it is approximately 300 miles long, and entirely surrounded by Senegal except for an 18 mile long coastline. FTP, name this smallest African nation, with capital at Banjul.

Answer: **The Gambia**

7. Its name was coined by Enrico Fermi. Examples of this particle include the tau, muon, and electron varieties. FTP, name this fundamental particle that is similar to an electron but does not carry a charge, and whose name is Italian for "little neutral one."

Answer: **neutrino**

8. The picaresque novel *Simplicius Simplissimus* is one of the few literary works set during this war. Important battles in it include White Mountain, at which Duke Maximilian of Bavaria defeated the forces of Frederick V, the king of Bohemia, and Lutzen, at which the Lion of the North, Gustavus Adolphus, was slain. FTP name this devastating war which began in 1618 and ended in 1648 with the Peace of Westphalia.

Answer: **Thirty Years War**

9. The title character's birth was full of problems, including an accidental circumcision and being given the wrong name. Much of the work is about Uncle Toby and his affair with Widow Wadman. Published in nine volumes from 1759 and 1766, this is, FTP, what Laurence Sterne reflection about the life and opinions of a gentleman?

Answer: *The Life and Opinions of **Tristram Shandy**, Gentleman*

10. They had mild success with their cover of "Video Killed the Radio Star" for the soundtrack of *The Wedding Singer*, though it didn't reach the level of popularity two songs from their debut album attained. They broke up in 1998, though for a short period of time they considered reforming with Sir Mix-a-Lot; they did reform in 2000 without Mix-a-Lot to release their third CD, *Freaked Out and Small*. Name this novelty rock group, for ten points, who achieved success with the singles "Peaches" and "Lump."

Answer: **Presidents of the United States of America**

11. This title is attached to the first four of the twelve violin concertos the composer published in 1725 as Opus 8, *The Conflict between Harmony and Invention*. The strict form of the solo Baroque concerto, fast-slow-fast, is the scheme in all four, and the very famous opening notes of the first are meant to evoke the twittering of birds and the rushing of streams filled with melting snow. That first piece is titled La Primavera. FTP what is this group of concerti by Antonio Vivaldi?

Answer: **The Four Seasons**

12. Pencil and paper ready. You have 15 seconds to find, FTP, the third term of the expansion of  $(x+y)^5$  [read: the quantity x plus y raised to the fifth power].

Answer:  **$10x^3y^2$**

13. Though it won the 1979 Oscar for Best Foreign-Language Film, a cinematic version of this novel was deemed obscene in Oklahoma due to its suggestion of sex between a young boy and a teenage girl. That boy, Oskar Matzerath, chooses at the age of three not to grow anymore due to the ugliness of adults. FTP name this novel about Oskar's attachment to the title object, a work by Gunter Grass.

Answer: **The Tin Drum**

14. He was designated "venerable" in 1985 by Pope John Paul II, provoking an outcry from Native Americans and others who cited his support of colonial interests and advocacy of flogging "heathen" Indians. After the Jesuits were expelled from Mexico in 1767, this Franciscan was sent to lead missionary efforts in northern California. FTP name this missionary who established nine missions from San Diego to San Francisco.

Answer: **Junipero Serra**

15. The most massive stars spend the least time on it, as they exhaust their fuel in just a couple hundred thousand years and then become neutron stars or black holes. Lighter stars burn more slowly and can stay in this stage for billions of years. Our sun is only halfway through this phase, thankfully. FTP what is this area of the H-R diagram containing most mature stars and running from the upper left to the lower right?

Answer: **main sequence** (prompt on "H-R diagram" before said in last line)

16. Selene is a beautiful vampire warrior that is entrenched in a war between the vampire and werewolf races. Although she is aligned with the vampires, she falls in love with Michael, a werewolf who longs for the war to end. This describes, FTP, what newly released move starring Kate Beckinsale?

Answer: **Underworld**

17. The origins of this theory can be traced to Thomas Malthus' belief that population growth will always outstrip the available food supply. Proponents believed that the most advanced society would outlast all others due to its superior use of resources. FTP, name this 19th-century social theory, developed by Herbert Spencer, which states that primitive societies would become extinct in a process similar to evolution.

Answer: **Social Darwinism**

18. It involves the formation of nine intermediate products, each of which is then catalyzed by an enzyme; in six of the steps, magnesium ions promote enzyme activity. Summarizing the process, 2 ATP are added, then 2 NADH are produced, then 4 ATP are produced, and finally 2 pyruvate are formed. FTP name this process by which the body decomposes glucose.

Answer: **glycolysis**

19. Modeled after the conventions of Greek and Roman poetry, it was introduced into England from Italy in the 16<sup>th</sup> century by Henry Howard, the Earl of Surrey. The form was later utilized by Christopher Marlowe in his plays and by Alfred, Lord Tennyson in his *Idylls of the King*, but it is best known as the medium in which Shakespeare wrote his many famous dramas. FTP name, the type of unrhymed iambic pentameter verse in which each line is composed of ten syllables of alternating stress.

Answer: **Blank Verse**

20. It was the second "second-class" battleship constructed by the U.S., and it remains the largest ever built completely at a naval shipyard. In its most famous moment it was captained by Charles Sigsbee, who had complained about the placement of the coal bunkers around the perimeter of the ship, to serve as extra defense armor. Its possible that a spontaneous fire from one of these bunkers could have ignited a nearby ammunition magazine, causing the two explosions that led to its sinking. FTP what was this ship sunk in Havana Harbor in 1898?

Answer: USS **Maine**

READER: Say, "Oh, so you *DO* remember it."

21. After making a pile of money in his better-known career, this man became mayor of Bridgeport, Connecticut in 1875 and later served in that state's legislature. His first notoriety came from his promotion of the Fiji Mermaid, the upper half of a monkey sewn to the bottom half of a fish. He made much of his fortune in promoting the tour of Jenny Lind, the Swedish Nightingale, and also from his patronage of "General" Tom Thumb. FTP name this great promoter who later got into the circus business, and who did not first say "There's a sucker born every minute."

Answer: P. T. **Barnum**

22. In 1490, Lorenzo de' Medici had him brought back to the pulpit of San Marco, where he predicted the overthrow of the Medici and the invasion of French King Charles VIII. After the downfall of the Medici, he introduced a Christian Republic to Florence and avoided many efforts by Pope Alexander VI to bring him down. In 1497, in the famed Bonfire of the Vanities, he urged Florentines to destroy their worldly possessions by burning them. However, the next year he himself was burned in the Palazzo Vecchio. FTP, name this Florentine monk who sought the reform of the Church.

Answer: Girolamo **Savonarola**

23. Visited by French missionaries and fur traders in the 17th century, it was given a name meaning "gathering place by the rivers". Settlement began in large numbers in 1800, but the town did not come into official existence until 1836, and became an important Midwest industrial center during the Civil War. Noted for having three socialist mayors in the 20th century, its port on Lake Michigan is one of the busiest in the US. FTP, name this Wisconsin city, home of the Brewers and Bucks.

Answer: **Milwaukee**

1. **TRAVELS WITH CHARLIE:** A mere six days ago your genial quizmaster was at the Rock and Roll Hall of Fame and Museum in Cleveland, Ohio. Answer the following about some of the more unusual items he saw there FTPE:

a) A 4<sup>th</sup> grade report card for this man, later lead singer of The Doors, noted that his attitude really needed improvement.

Answer: **Jim Morrison**

b) A 12-minute multimedia presentation on the impact of music videos took its title from this Buggles song, remembered mostly because it was the first video aired when MTV was launched.

Answer: **"Video Killed the Radio Star"**

c) A special exhibit celebrated 20 years of this group, composed of Adam Clayton, Larry Mullen Jr., Dave Evans, and Paul Hewson.

Answer: **U2** (Evans and Hewson are, respectively, the Edge and Bono)

2. Give these terms from genetics FTPE:

(a) The presence of two copies of each chromosome in a cell

Answer: **diploidy**

(b) A single strand of RNA that provides the template used for sequencing amino acids into a polypeptide

Answer: **messenger RNA** or mRNA

(c) A random increase or decrease in alleles due to pure chance and a small population; to kinds of this are the bottleneck and founder effect.

Answer: **genetic drift**

3. Name these pioneering women, FTPE.

A. As a slave her name was Isabella, but this woman famous for the speech "Ain't I a Woman" took on another name representative of her search for the real meaning of things.

Answer: **Sojourner Truth**

B. With Lucretia Mott, this woman helped organize the Seneca Falls Convention of 1848.

Answer: Elizabeth Cady **Stanton**

C. In 1872 this suffragette was jailed for trying to vote in Rochester, NY. The 19<sup>th</sup> amendment is sometimes called "her" amendment.

Answer: Susan B. **Anthony**

4. Name these Muslim sects, none of which is the Sunni, FTPE.

A. This group, prevalent in Iran, can be subdivided into Twelvers and Ismailis.

Answer: **Shi'ite**

B. This mystical sect is mostly concentrated in Turkey and believes in a direct relationship with god.

Answer: **Sufi**

C. This group, found mostly in Syria, does not accept converts. They consider the Imam Darazi to be their spiritual founder.

Answer: **Druze**

5. Name the ancient Greek playwright of the following works on a 10-5 basis.

A. (10 pts.) Iphigenia in Tauris; Alcestis

(5 pts.) Medea; The Trojan Women

Answer: **Euripides**

B. (10 pts.) Prometheus Bound

(5 pts.) Agamemnon; The Eumenides

Answer: **Aeschylus**

C. (10 pts.) Ajax; Philoctetes

(5 pts.) Antigone

Answer: **Sophocles**

6. 30-20-10 Name the event.

A. (30 pts.) The impetus for the event was the forced expulsion of the family of Zindel Grynszpan's family from Hanover to Poland. Zindel's son Herschel, who lived in Paris, decided to assassinate an official of the government responsible.

B. (20 pts.) Herschel wanted to kill the German ambassador to France, but since he wasn't there, he settled on Ernst vom Rath. This led Josef Goebbels to argue that a conspiracy of "international jewry" was out to destroy the German government.

C. (10 pts.) On November 9, 1938, gangs of Nazi thugs and affiliated youth set about beating German Jews and destroying their homes and businesses in this event, called the "night of broken glass" in English.

A. Kristallnacht (accept "night of broken glass" on the 30 or 20)

7. Name these artists of the Low Country, FTPE.

A. Really Flemish (and thus Belgian), this much-beloved painter of peasant life is best known for works like "Peasant Wedding" and "The Kermess."

Answer: Pieter Breughel the Elder (be kind and accept it without asking for more info)

B. His museum is located in Haarlem, where you can see his "Laughing Cavalier."

Answer: Frans Hals

C. One of his best-known works is actually titled "The Company of Franz Banning-Cocq," but everyone calls it "The Night Watch."

Answer: Rembrandt van Rijn

8. FTPE give the name of the change of state from the first listed state to the second in each case.

(10) Solid to gas.

Answer: **Sublimation**

(10) Gas to liquid.

Answer: **Condensation**

(10) Gas to solid.

Answer: **Deposition**

9. Some world capitals are just cool to say. Given such a capital, name the nation FTPE:

a) Addis Ababa

Answer: **Ethiopia**

b) Tegucigalpa [tuh-goo-chee-GAL-pa]

Answer: **Honduras**

c) Bratislava

Answer: **Slovakia**

d) Djibouti

Answer: **Djibouti**

e) Bandar Seri Begawan

Answer: **Brunei**

f) Antananarivo

Answer: **Madagascar**

10. 30-20-10 Name this American female author.

(30) She was born in Washington, D.C. in 1896 but was greatly influenced by her move to north central Florida in 1928.

(20) Her novels include *South Moon Under*, *Golden Apples*, *The Secret River* and her autobiography *Cross Creek*.

(10) In 1939, she won the Pulitzer Prize for fiction for her best-known work, *The Yearling*.

Answer: Marjorie Kinnan Rawlings

11. Time to get your asymptotes in gear. FTPE:

A. First, find the vertical asymptotes of the rational equation  $x/(x-3)(x+4)$ .

A.  $x = 3$  and  $x = -4$

B. Find the horizontal asymptote of  $y = 1/x^3$ .

A.  $y = 0$

C. Find the horizontal asymptote of  $y = x^2/x+1$

A. does not exist (acc. equivalents)



12. 5-10-20-30, name these winds:

(a) Similar to the Alpine foehn, these dry, cool winds blow down the eastern slope from the Rockies after wet winds from the Pacific drop most of their moisture on the western side.

Answer: **Chinook**

(b) These violent, windy storms of New England stem from intense cyclones centered off the mid-Atlantic coast.

Answer: **nor'easter**

(c) Caused by mountain terrain effects on strong high pressure systems, these dry, hot winds flow into southern CA.

Answer: **Santa Ana** winds

(d) Air drawn north from the hot Sahara interior by the leading edge of eastbound storms makes these strong, gusty winds.

Answer: **scirocco** or sirocco [pronounced shuh-ROCK-oh, but don't be picky]

Also accept **chili**, **ghibli**, or **khamsin**, local terms in Tunisia, Libya, and Egypt respectively.

13. Given the first few words, give the number of these Constitutional amendments FTPE:

(a) "Excessive bail shall not be required..."

Answer: **Eighth**

(b) "The Congress shall have power to lay and collect taxes on income..."

Answer: **Sixteenth**

(c) "Neither slavery nor involuntary servitude..."

Answer: **Thirteenth**

14. It's time to Name that Elizabethan Playwright! FTPE:

A. Often considered number two behind Shakespeare, this man authored *Tamburlaine the Great* and *The Jew of Malta* before being killed in a bar brawl.

Answer: Christopher **Marlowe**

B. Shakespeare acted in this author's *Every Man in His Humour*. He also wrote *Cynthia's Revels*, *Volpone* (vol-po-nay), and *The Alchemist*.

Answer: Ben **Jonson**

C. Two answers required: These two collaborated so frequently that their names are now generally linked. They co-wrote *Philaster* and *The Maid's Tragedy*, and the guy whose name comes second co-wrote *The Two Noble Kinsmen* with Shakespeare.

Answer: **Beaumont** and **Fletcher**

15. Identify the movie given a former cast member of Saturday Night Live and the character they played in the movie FTPE.

10) Dana Carvey as Garth

Answer: **Wayne's World** (or Wayne's World 2)

10) Molly Shannon as Mary Katherine Gallagher

Answer: **Superstar**

10) Tim Meadows as Leon Phelps

Answer: The **Ladies Man**

16. Identify these monsters from Greek myth FTPE.

A. Slain by Bellerophon, it had the head of a lion, the body of a goat, and the tail of a dragon.

A. **Chimaera**

B. This daughter of Poseidon was struck by a thunderbolt by Zeus and turned into a vortex that swallows ships.

A. **Charybdis**

C. Often paired with Charybdis, it has six heads each with a triple row of teeth.

A. **Scylla**

17. Name these Africans from works and nationality (hint: they're all Nobel Prize winners). FTPE:

A. The Lion and the Jewel; Madmen and Specialists (Nigeria)

A. Wole **Soyinka** [pronounced shoy-INK-uh, but accept variants]

B. Palace Walk; The Thief and the Dogs (Egypt)

A. Naghuib **Mahfouz**

C. The Conservationist; Burgher's Daughter (South Africa)

A. Nadine **Gordimer**

18. FTSNOP given the name of a physical constant and its symbol, define it, including SI units of measurement.

5: The force of gravitation; lower-case g.

Answer: **9.8 meters per second squared**

15: Boltzmann's constant; lower-case k

Answer: **1.38 (accept 1.4) times 10 to the negative 23<sup>rd</sup> joules per Kelvin**

10: Neutron mass; lower-case m sub-n

Answer: **1.68 (accept 1.7) times 10 to the negative 27<sup>th</sup> kilograms**

19. Identify these operas FTPE.

A. Set in Peking, in this opera Prince Calaf answers the three riddles of the title character to gain her hand in marriage.

A. Turandot

B. In this opera the title character is placed alive in a tomb with Radames, her love, who has been condemned by Amneris.

A. Aida

C. All ends well in this Bedrich Smetana opera, as Jenik wins the hand of Marenka, the title character who was brokered to marry another.

A. The Bartered Bride

20. Answer the following about an island nation FTPE:

a. 95% of the world's Maori inhabit part of this country's north island.

Answer: **New Zealand**

b. He reached New Zealand in 1840, serving as Lieutenant -Governor until 1841, when New Zealand became a separate Crown colony and he became the first Governor.

Answer: **Captain William Hobson**

c. While serving as Lieutenant – Governor of New Zealand, Captain William Hobson signed this treaty, along with representatives of English residents of New Zealand and approximately forty-five Maori chiefs. The treaty extended Crown authority to include new parts of both the North and South islands.

Answer: **Treaty of Waitangi**

21. Answer the following about a big 19<sup>th</sup> century building project FSNOP.

A. (5 pts.) Connecting Troy to Buffalo in New York, what man-made waterway was built in the 1820s.

Answer: **Erie Canal**

B. (10 pts.) Early on the Erie Canal was dismissed as "[blank's] folly," with the blank filled by the name of this man, the New York governor who advocated its building.

Answer: **DeWitt Clinton**

C. (15 pts.) All or nothing, name the two rivers connected by the canal.

Answer: **Hudson and Niagara (any order)**