

1. Candy, the old ranch-hand runs things where this story takes place. His son Curly is a brawny guy who elects to get into a fight with one of the main characters, only to have his hand crushed. Curly's unnamed wife is flirtatious, which brings back memories of why the two best friends were forced to leave their last job, after Lennie tried to touch a woman's dress and was accused of rape. Lennie and his friend George might not be cousins, as they tell people, but they are the main characters in, FTP, what book by John Steinbeck?

Answer: **Of Mice and Men**

2. Temperature is transitive. At absolute zero, all the configurations of a system in internal thermal equilibrium have the same entropy. The third is credited to Nernst, and the Kelvin-Planck formulation of the second implies the impossibility of perpetual motion of the second kind. The first is the conservation of energy, and the second is often stated as "entropy never decreases." FTP, name these fundamental laws of physics.

Answer: **Laws of Thermodynamics** (accept zeroth law of thermodynamics before "absolute zero")

3. It warned against the dangers of the party system and urged later leaders to avoid permanent allegiances with foreign nations, though it did not use the oft-quoted phrase "entangling alliances." Written with the aid of Alexander Hamilton and James Madison, it was completed on September 17, 1796, just before the President's retirement. Never delivered publicly, FTP, what is this speech prepared by George Washington?

Answer: (Washington's) **Farewell Address**

4. This term had different meanings for different philosophers. To Immanuel Kant it meant a method of criticizing claims of knowledge going beyond experience. To Plato it meant the study of the Forms. To Marx it meant inevitable shifts in popular thought; Marx drew on Hegel's version of it, in which a widely held opinion, or thesis, was challenged by an antithesis which led to a new mindset via synthesis. FTP name this term, from the Greek for "to converse," which describes Socrates' method of teaching by question and answer.

Answer: **dialectic**

5. They are highly electronegative, exhibiting a minus one charge. They can be found in crystalline salt forms, explaining the common name given to these members of Group VII of the periodic table. FTP name this family of elements group, whose name means "salt formers," which includes astatine, bromine, iodine, chlorine, and fluorine.

Answer: **halogens**

6. His historical works included *On Illustrious Men* and *Books on Matters to Be Remembered*. He is considered a forerunner of humanism for his advocacy of the continuity rather than conflict between classical culture and Christianity, as seen in his works *Bucolic Song* and *Africa*. But his most influential works were poems addressed to his idealized lover Laura. FTP name this Italian author and master of the sonnet form.

Answer: **Petrarch**

7. This anthropologist used new photographic techniques in the documentary "Balinese Character". Applying anthropology to modern life in "Male and Female" and "Culture and Commitment", but is better known for works like "Sex and Temperament in Three Primitive Societies", which analyzes sexual behavior and its relation to rites of adolescence. FTP, who is this anthropologist best known for her controversial "Coming of Age in Samoa"?

Answer: **Margaret Mead**

8. He dabbled in serialism for a while and also showed his fascination with Latin themes and rhythms in such works as *Dances Cubanas* and *El Salon Mexico*. But his legacy comes from works on themes more evocative of his adopted homeland, the U.S., such as his Oscar-winning score for *The Heiress* and his ballets *Billy the Kid* and *Rodeo*. FTP name the composer of *Appalachian Spring*.

Answer: **Aaron Copland**

9. This land's main castle is Cair Paravel, which stands at the delta where the Great River meets The Eastern Sea. The Lone Islands, which High King Peter sailed to in the ship The Dawn Treader, can be seen from the castle. Created by the beautiful singing of Aslan, FTP, what is this mythical world created by C. S. Lewis?

Answer: **Narnia**

10. Born with the surname Walcott, he worked in the 1950s as a successful calypso singer, once recording a song titled "A White Man's Heaven is a Black Man's Hell." He took over Mosque Number Seven in Harlem after Malcolm X converted to Sunni Islam. FTP name this leader of the Nation of Islam and organizer of the Million Man March.

Answer: **Louis Farrakhan**

11. He could not accept the Copernican model of the solar system and advanced his own, in which the other planets revolved around the sun, which then orbited the earth. But he disproved the long-accepted Aristotelian notion of the unchanging heavens with his calculation of the orbit of a comet seen in 1577 and his observation of a supernova in Cassiopeia. FTP name this most skilled astronomical observer of the pre-telescopic era, whose observations were used by his assistant Johann Kepler as the basis for the laws of planetary motion.

Answer: **Tycho Brahe**

12. One-time winners include Pat Cash, Jana Novotna, Richard Krajicek [CRY-uh-check], Conchita Martinez, Lindsey Davenport, Andre Agassi, and Goran Ivanisevic [eve-an-EE-so-vitch]. Stefan Edberg, Jimmy Connors, Althea Gibson, and Venus Williams each have won twice; three titles each went to Boris Becker, John McEnroe, and Chris Evert. Five times in a row Bjorn Borg won it, and Martina Navratilova got nine, not counting doubles play. FTP name the tournament whose winners were just listed, officially known as the All-England Lawn Tennis Championship.

Answer: **Wimbledon** (accept **All-England** Lawn Tennis Championship before it's read)

13. While he may have been referred to dismissively in a telegram from a Pittsburgh Pirates scout, it is a myth that once he tried out for the Washington Senators. He claims to have been the subject of over 637 assassination attempts, equalling over one per month of his 42-year rule. We do know that he did conduct successful guerrilla raids from the Sierra Maestra mountains against Fulgencio Batista. FTP name this longest-reigning communist leader.

Answer: **Fidel Castro**

14. Every ninth year, it was fed with fourteen youths and maidens. Subject of Mary Renault's novel "The King Must Die", its name was Asterius, and it was spawned when a king of Crete failed to sacrifice an animal sent by Poseidon as proof of his right to the throne. In response, Poseidon caused Pasiphae to conceive a passion for the bull, leading her to conceive this monster. FTP, what was this creature imprisoned by Minos in the Labyrinth?

Answer: **Minotaur**

15. He is truly someone worth emulating. Like so many great stars before him (two examples would be Michael Jackson and Spinal Tap) he is extremely popular in Japan. He hobnobs with some of the true Hollywood elite, including Curtis Armstrong (the guy who played Booger in Revenge of the Nerds) and Chuck D. However, beware for there is danger in following his example. A piano could fall on you or you could get set on fire. These are just a few of the hazards that befall this man of action. FTP identify this spokesman for a certain brand of blue jeans who you may want to be like.

Answer: **Buddy Lee**

16. Karnaugh maps can be used to simplify expressions of this system into combinations of unary and binary expressions, facilitating their implementation as electronic or mechanical logic expressions. Pre-Internet online databases such as Dialog and Lexis/Nexis make extensive use of this type of logic in search statements. FTP identify this algebra system whose operators can be composed of TRUE, FALSE, NOT, OR, and AND, and which is also the name of a data type in Java.

Answer: **Boolean Logic**

17. This figure's story is told in Walter Savage Landor's "Imaginary conversations" and in an 1842 poem by Tennyson. According to some versions a tailor was miraculously struck blind for not obeying a request she made regarding her most famous act, which concerned her desire for her husband, Earl Leofric of Mercia, to lower the taxes of Coventry. FTP, who is this 11th century woman who rode through the marketplace naked to achieve her goal?

Answer: **Lady Godiva**

18. Iranian religious leaders have recently financed the building of the largest mosque in the Caucasus in the town of Nardaran in this small nation, causing its government to fear Islamic unrest. The country's president, Heydar Aliyev, has faced death threats and already has headaches with the disputed area of Nagorno-Karabakh inside his borders. FTP what is this Caspian Sea state with capital at Baku?

Answer: **Azerbaijan**

19. Ambitious works by this poet include the five related poems "Four Elements", "Four Constitutions", "Four Ages of Man", "Four Seasons", and "Four Monarchies". Better known are "The Flesh and the Spirit" and "Contemplations", both found in a volume published in England without her knowledge. Known for her analysis of happiness and religious faith in 17th century New England, FTP, who is this author of "The Tenth Muse Lately Sprung Up in America?"

Answer: **Anne Bradstreet**

20. Isocitrate, alpha-ketoglutarate, succinate, malate, and fumarate make up some of its intermediate stages, and it loses hydrogens every step of the way. By its completion, there are three new NADH molecules and two new FADH₂ molecules, along with one ATP. Oxaloacetate combines with Acetyl-Coenzyme A to begin, for 10 points, what cycle of cellular respiration, named for either its first product or for a Hungarian scientist?

Answer: **Krebs cycle (accept citric acid cycle)**

21. The smallest number with 2 prime factors that don't divide ten, it is also the palindrome 1221 in base 2 of the Alternate Number System and the palindrome 10101 in standard binary. FTP identify this eighth Fibonacci number, the gap between blackjack primes, and the legal drinking age in most US states.

Answer: **twenty-one**

22. The nave of this building is covered by a lofty dome whose weight is carried by four huge arches, with the east and west arches extended by half-domes, thus creating a vast oblong interior. Built by Anthemius of Tralles and Isidorus of Miletus, four minarets were added when it was converted to a mosque in 1453. FTP, what is this famous Istanbul landmark?

Answer: **Hagia Sophia (or Santa Sophia or Aya Sophia)**

23. A dispute over repurposing episodes on cable delayed the debut of this show just three minutes before it was to have aired in January. Among the early highlights of the show were Jewel explaining how to castrate a bull and an interview with Suge Knight that spanned two episodes. Other guests get interviewed, then play music, like Alicia Keys in the delayed opener. FTP, name this newest late-night interview show on NBC hosted by Carson Daly.

Answer: **Last Call**

1. While many of you were in diapers in 1989, your genial quizmaster was mired in grad school, so he wasn't watching the news much either. FTPE answer the following about events from that year that even he noticed at the time:

a) Romanian revolutionaries executed this much-hated Communist dictator and his wife. To make sure their remaining supporters knew they were good and dead, they were shot in the head. On live TV. On Christmas Day.

Answer: Nicolae **Ceaucescu**

b) The Communist regime in Czechoslovakia was much luckier; they were ousted by the so-called "Velvet Revolution" led by this playwright who became the first president of the Czech Republic.

Answer: Vaclav **Havel**

c) This tanker hit a reef in Prince William Sound off Alaska, causing the largest oil spill in US history. Its captain, Joseph Hazlewood, was convicted of negligence, but instead of being shot on live TV he just got 1000 hours of trash pickup duty.

Answer: the **Exxon Valdez**

2. FTPE give the following terms from Mendelian genetics:

a) This term refers to a description of an organism's alleles, rather than how they are expressed or manifested.

Answer: **genotype**

b) This term, used interchangeably with the word "hybrid", means that the two alleles are different.

Answer: **heterozygous**

c) These are the sex cells, which in each sex of each species contain half the chromosomes of the regular cells.

Answer: **gametes**

3. Optimism may sell, but pessimism gets you the good reviews. Witness these dystopian works listed on the New York Public Library's "Books of the Century." Name the authors FTSNOP:

a) 5 pts.: *1984*

Answer: George **Orwell**

b) 5 pts.: *The Time Machine*

Answer: H. (erbert) G. (eorge) **Wells**

c) 10 pts.: *A Clockwork Orange*

Answer: Anthony **Burgess**

d) 10 pts.: *The Handmaid's Tale*

Answer: Margaret **Atwood**

4. FTSNOP answer the following about the French and Indian War. Hint: none of the answers are "French" or "Indian".

a) The French and Indian War was the American phase of this European war, where Britain and Prussia were the winners.

Answer: the **Seven Years War**

b) Perhaps the most important battle, in which both the French and English commanders were killed, took place in 1759 on the Plains of Abraham outside Quebec. For 5 pts. each name the dead generals.

Answer: Louis Joseph de **Montcalm** and James **Wolfe**

c) The war was concluded by this 1763 treaty which gave the British control of Canada.

Answer: Treaty of **Paris**

5. **TRAVELS WITH CHARLIE:** Knowing very little about country music, your genial quizmaster cribbed this directly from the jukebox at a roadside hamburger joint. Given two songs whose titles sort of fit together, name the artist who recorded each pair of songs FTPE:

a) "We Really Shouldn't Be Doing This" and "Don't Make Me Come Over There and Love You"

Answer: George **Strait**

b) "She's Got It All" and "She Thinks My Tractor's Sexy"

Answer: Kenny **Chesney**

c) "Who's Cheatin' Who" and "Where I Come From"

Answer: Alan **Jackson**

6. Around the turn of the century, the same last name kept turning up in influential positions. FTPE answer the following:
a) Considered the founder of library science, he created a subject classification system still widely used in public and school libraries. Obsessed with efficiency, he legally shortened his first name by removing two silent letters from it.

Answer: Melvil(le) **Dewey**

b) Like Melvil Dewey, this Dewey taught at Columbia. While his field was philosophy, where he was a leading proponent of instrumentalism, he had more impact as a leading figure in the development of progressive education.

Answer: **John Dewey**

c) Another Dewey, George, was promoted to Admiral of the Navy after his decisive victory in this May 1, 1898 battle, where America took the Philippines from Spain without loss of a single life.

Answer: **Manila Bay** [oh, all right, accept Manila]

7. Identify the author from clues on a 30-20-10 point basis.

(30) He reduced the size of the chorus at the City Dionysia but, by adding a second actor, greatly increased the potential for drama.

(20) His tombstone mentions his prominent role in fighting the 'long-haired' Persians, but is mum on his literary achievements.

(10) He created larger-than-life plays like *The Choephori*, *Prometheus Bound*, and *The Persians*.

Answer: **Aeschylus**

8. Identify the following people who worked in quantum mechanics 5-10-15.

5) His uncertainty principle states that it is impossible to simultaneously know with complete accuracy the position and momentum of a particle.

Answer: Werner Karl **Heisenberg**

10) His wave equation is central to quantum mechanics. In a famous thought experiment, his cat is considered to be simultaneously alive and dead.

Answer: Erwin **Schrodinger**

15) The idea that particles are also waves with a characteristic wavelength and frequency is named for this French physicist who first made the hypothesis.

Answer: Prince Louis-Victor Pierre Raymond **de Broglie**

9. There are 10 nations in the world that have land areas of under 123 miles, which is slightly smaller than the area of the city of Chattanooga. Five are considered part of Europe, three are island nations of the Pacific, one is in the Indian Ocean, and one is in the Caribbean Sea. FTPE name any six of those itty bitty nations.

Answers: any six of **Vatican City, Monaco, Nauru, Tuvalu, San Marino, Liechtenstein, Marshall Islands, St. Kitts (and) Nevis, Maldives, and Malta**

10. In the excitement surrounding historic Academy Awards for 2001 for Denzel Washington and Halle Berry, many reporters forgot that Washington already had won an Oscar. FTPE name these other African-American Oscar winners:

a) The first African-American winner in any category, she won Best Supporting Actress in 1939 for *Gone With the Wind*.

Answer: Hattie **McDaniel**

b) The first and only other African-American Best Actor winner, he took the 1962 award for *Lilies of the Field*.

Answer: Sidney **Poitier**

c) Preceding Denzel's 1989 win for *Glory*, this man won Supporting Actor in 1982 for *An Officer and a Gentleman*.

Answer: Louis **Gossett Jr.**

11. FTPE, given the chemical formula, give the common name for these compounds:

a) $\text{Na}_2\text{B}_4\text{O}_7 \cdot 10\text{H}_2\text{O}$ [read: NA2 B4 O7 dot 10 H2O], or hydrated sodium borate

Answer: **borax**

b) Na O Cl , or sodium hypochlorite

Answer: household **bleach**

c) $\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$ [read: MG S O4 dot 7 H2O], or magnesium sulfate heptahydrate

Answer: **Epsom salts**

12. The Roman emperors who followed the Flavian dynasty from AD 96 to 180 were known as the "Five Good Emperors." And compared to their peers, they were. For 5 points or 30 for all 5, name them.

Answers: **Nerva, Trajan** or Trajanus, **Hadrian** or Hadrianus, **Antoninus Pius**, and **Marcus Aurelius**

13. FTPE name these influential figures in early American religion:

a) One of the dominant figures in the Great Awakening, he is best remembered for his fiery sermon "Sinners in the Hands of an Angry God", which was not really typical of his scholarly style of discourse.

Answer: Jonathan **Edwards**

b) A Puritan dissident often considered the founder of the Baptist church in the U.S., he definitely founded Rhode Island.

Answer: Roger **Williams**

c) A key figure in the early 19th century Restorationist movement, he was principal founder of the Disciples of Christ.

Answer: Alexander **Campbell**

14. Simplify these trigonometric expressions, FTPE:

a. sine of the quantity ninety minus theta degrees

Answer: **cosine** of theta

b. cosine of theta divided by sine of theta

Answer: **cotangent** of theta

c. tangent of theta the quantity squared plus one

Answer: **secant squared** of theta

15. How much do you know about Australian literature? More than you might think. Answer the following FTPE:

a) This Australian novelist set most of his major novels, such as *Shogun*, *Tai-Pan*, and *Noble House*, in Asian locations.

Answer: James **Clavell**

b) You may not have known that this influential feminist, author of *The Female Eunuch*, was Australian.

Answer: Germaine **Greer**

c) Along with one of the best Australian novels, *The Chant of Jimmie Blacksmith*, Thomas Keneally wrote this fact-based narrative of an Austrian businessman who saved over 1,000 Jews from extermination in the Holocaust.

Answer: **Schindler's List**

16. Name the artists of these 19th century artworks on a 15-5 basis.

1. (15 points) "The Fifer", "A Bar at the Folies-Bergeres"

(5 points) "Luncheon on the Grass"

Answer: Edouard **Manet**

2. (15 points) "Nocturne in Black and Gold: The Falling Rocket"

(5 points) "Arrangement in Black and Gray: The Artist's Mother"

Answer: James McNeill **Whistler**

17. Paging Andy Warhol. Given a description of the label on the can, name the brand of soup FTPE.

a) White background with a 1 _" green bar across the top. Thin red borders along the top and bottom of the green bar which grows lighter as it moves down. The name brand appears in the green bar in white. Below the bar is a picture of the soup with the soup name in black letters just above it.

Answer: **Healthy Choice**

b) Dark blue background with slightly lighter blue designs. The brand name is emblazoned on a blue banner with red borders which covers a portion of the box in the backdrop. Above the brand name is a yellow oval which contains a tomato, garlic, onion, and peppers as well as the words "Quality Foods." Just below the brand name is a red or yellow bar with text. Below this are the soup name and a picture of the soup.

Answer: **Progresso**

c) Red and white label. Company name in white cursive letters appears in the red sections just below a gold medallion. A slightly darker red banner separates the red section from the white. The soup name and a picture of the soup appear in the white section.

Answer: **Campbell's Condensed**

18. Given the name of a 20th century assassin, name his victim FTPE.

a) Dr. Carl Weiss, 1935

Answer: Huey **Long**

b) Leon Czolgosz (zol-gosh), 1901

Answer: William **McKinley**

c) Raoul Mercador, 1940

Answer: Leon **Trotsky**

19. 30-20-10, name the author from works.

1. (30 points) "Venus and Adonis", "The Rape of Lucrece"

(20 points) "Pericles, Prince of Tyre", "The Winter's Tale"

(10 points) "All's Well That Ends Well", "Titus Andronicus", "Troilus and Cressida"

Answer: William **Shakespeare**

20. Identify these named winds FTPE.

These warm dry winds are common on the Eastern slope of the Rockies.

Answer: **Chinook**

These hot, dry Southern California winds have caused many summer fires to spread in recent years.

Answer: **Santa Ana**

This warm wind of the Mediterranean is called Leveche in Spain.

Answer: **Sirocco**

21. Answer the following about an influential psychologist FSNOP.

First, what Swiss thinker formulated a widely held theory about the stages of intellectual development of children?

Answer: Jean **Piaget**

Now, FFPE, name the four stages in Piaget's system in order.

Answer: **sensorimotor, preoperational, concrete operational, formal operational**