

1. The Greeks opened by making a three-pronged attack, with the left and right wings in an attempt to outflank the Persians, under the command of Datis, and cut down their archers. This strategy succeeded, as the Persians routed and driven to their deaths in nearby swamps. However, the Persian fleet remained strong, and a runner had to be dispatched to Athens to warn the city of the fleet's impending attack. For 10 points, this describes what seminal battle of 490 BC?

Answer: Marathon

2. At the right a few tall trees loom over an armless statue of Venus which is covered with pink roses. In the foreground, several little Cupids accompany the eight couples who are making their way out of the woodland toward the golden barge at left. Three versions exist; the second, painted between 1717 and 1719 as the artist's acceptance piece for admission into the Academy, is the most well-known. FTP, name this masterpiece of the Rococo style painted by Antoine Watteau.

ANSWER: Embarkation for Cythera or L'Embarquement pour l'île de Cythère

3. Heavily influenced by Lyell's recent discoveries in geology, its author ponders the apparent pitilessness of "nature red in tooth and claw", destroying entire species, leaving only their bones in the rocks. The poem is better known, however, for its author's mourning for the death of his best friend, and his contention that "Tis better to have loved and lost than never to have loved at all." FTP, name this Tennyson poem, written in honor of the death of his friend Arthur Henry Hallam.

Answer: In Memoriam, A.H.H.

4. A man known only as "The Reader" purchases a copy of the title book, but discovers after page 32 that his book is misbound. His search for a replacement leads him not only into a romance with the "Other Reader" but through the beginnings of ten other novels. Each one a falsification perpetrated by an organization seeking truth in pure apocrypha. Its named characters include Silas Flannery, and Ernes Marana. FTP, name this 1979 novel by Italo Calvino

Answer: If on a Winter's Night a Traveler

5. He ascended the throne on Jan. 9, 1878, but his respect for the constitutional regime, as well as his attempt to reconcile various political and regional elements, allayed the suspicions of the leftists. Nevertheless, he maintained an authoritarian view of the king's prerogative, which he used to enter the Triple Alliance on May 20, 1882 and to encourage colonial adventures in Africa and Italy's entry into the arms race. For ten points, name this second king of Italy, whose support of nationalistic and imperialistic policies led to his assassination in 1900

Answer: Umberto I or Humbert I

6. Among this man's achievements include three radio documentaries entitled "The Idea of North", "The Latecomers" and "The Quiet in the Land", all of which display his love of counterpoint and his fascination with recording techniques. His belief that the future lay in recordings led him to give up public performances in 1964 and his catalog of works includes William Byrd, Richard Strauss, and Arnold Schoenberg. FTP, name this Canadian pianist noted for his interpretation of Bach's "Goldberg Variations", the subject of a 1993 film which included "32 Short Films".

Answer: Glenn GOULD

7. Spreading pleasantly over a green spur of the hills in northern Israel and not far from the huge lake of Tiberias, this city is a small one of mainly modern appearance. Although the earliest human dwellings on the site date from the remote Aeneolithic age, the growth and urban development of this city are of relatively recent origin. It has experienced a stormy history, conquered by the Romans and later by the Arabs, and only during the period of the Crusades had this city seen a time of splendor as the seat of bishops and the main administrative center of its region. It was destroyed in the second half of the thirteenth century, and abandoned. Not until the seventeenth century, when a Franciscan community settled there permanently, did favorable conditions exist for the place to be repopulated. For ten points, name this city, which witnessed the childhood of Jesus.

Answer: Nazareth

8. Oliver Knussen's opera which is based upon this work contains a battle scene between the main character and a vacuum cleaner. That character, who causes trouble by chasing a dog with a fork, leaves on his private boat, sailing for over a year. He later becomes king, subduing his subjects by a magic trick. Then he initiates a frenzied dance by exclaiming "Let the wild rumpus start!" but he gets bored and leaves, returning to find his dinner still hot. FTP name this story about Max, written by Maurice Sendak.

Answer: Where the Wild Things Are

9. Unknown to most of his companions he bore the magic ring Narya, which had been given to him by Cirdan the Shipwright. Known variously as Incanus and Tharkun, He also took the key of Erebor from a prisoner in Dol Goldur and the horse Shadowfax from King Theoden of Rohan. He was slain by a Balrog at Khazad-Dum, but returned to depose Saruman as head of the White Council. He also battled the king of the Nazgul before Minas Tirith before that being was slain by Eowyn and Merry. Even then, however, his mind was on the hobbit who bore the One Ring to Mordor. FTP, name this wizard from The Lord of the Rings.

Answer: Gandalf the Grey or Gandalf the White or Mithrandir or Tharkun or Incanus or Olorin

10. In an exothermic reaction, the products will have less of this than the reactants, but in an endothermic reaction, the products will have more of this than the reactants. Represented by the symbol H, information about it is gained only by comparing systems before and after a change. For ten points, give the name of the total energy that substances contain at constant pressure.

Answer: Enthalpy

11. He graduated from Yale in 1924, where he won an Olympic gold medal with their rowing team. Though he served as psychiatrist of the US Naval Reserve during World War II, he lashed out against the Vietnam War. His antiwar protests led to an FBI file on him and a charge with conspiring to violate the Selective Services Act. He is more widely known today for his teaching psychiatry and child development. FTP name this pediatrician and psychiatrist, author of Baby and Child Care.

Answer: Dr. Benjamin Spock

12. Take two vessels containing gases at equal temperature with a small hole joining them. Now, suppose an intelligent being could open and close the hole so that only the faster molecules were in one container. According to this thought experiment, you have now just violated the second law of thermodynamics, creating a perpetual motion machine. FTP, name the hypothetical creature at the center of this thought experiment by a Scottish physicist whose eponymous 'equations' form the basis for electromagnetism.

Answer: MAXWELL'S DEMON

13. The hideous sculpture piece on the mantle in Sartre's No Exit is in this style, though the term more commonly refers to architecture. While the style was briefly popular throughout the West, as can be seen in the Boston and Philadelphia city halls, only a few examples of the style exist in Paris, where it originated. Name this architectural style exemplified by Garnier's L'Opera house and Napoleon III's expansion of the Louvre.

Answer: Second Empire style

14. Perhaps the most memorable thing about this English King was his death following the usurpation of his throne. A hot poker was shoved into his bowels on the orders of his wife Isabella of France and Roger Mortimer. The first Prince of Wales, for he had been born in Caernarvon, this man was more active in his homosexual relationships, notably with Piers Gaveston, than in ruling England. He lost Scotland at Bannockburn and lost England upon his capture by Mortimer in 1327. FTP name this King who ruled from Edward Longshanks' death in 1307 until his death in 1327.

Answer: Edward II of Caernarvon

15. During World War II, this political figure served as assistant director of the Office of Civilian Defense and wrote a newspaper column called "My Day." After the war, she was chairwoman of the Commission on Human Rights of the Economic and Social Council of the United Nations and served as the American representative in the General Assembly. FTP, identify this humanitarian, whose husband served two terms as governor of New York before being elected President in 1932.

Answer: Eleanor Roosevelt

16. In 1919 he became an associate editor of *The Dial*, and in the 20's he began to publish works on American culture such as *Sticks and Stones*, *The Golden Day*, and *The Brown Decades*. In the 30's he began writing architectural criticism for *The New Yorker* and also began his "Renewal of Life" series, which included *The Culture of Cities*. FTP, name this American historian and urban planner, most famous for *The Myth of the Machine* and *The City in History*.

ANSWER: Lewis Mumford

17. This megascopically crystalline rock has a highly developed tendency to split into layers. Generally composed of platy minerals such as muscovite, chlorite, talc, sericite, biotite, and graphite, it resembles gneiss, from which it is distinguished by the latter's slight tendency to split along planes. FTP, name this greenish metamorphic rock.

Answer: schist

18. In 1985, a collection of his non-fiction was published with the title *The Price of the Ticket*. Two other late works are *Just Above My Head* and *Tell Me How Long the Train's Been Gone*. Living his early years as a storefront preacher in New York City, he won a fellowship to live in Paris, where he wrote *Giovanni's Room*, a homosexual love story. Two essay collections based on his youth were *Nobody Knows My Name* and *Notes of a Native Son*. FTP, name this writer of *The Fire Next Time* and *Go Tell It on the Mountain*.

Answer: James Arthur Baldwin

19. His father was colonial governor from 1789 to 1796, but he himself later revolted against his colonial masters. In one battle, he was able to flee to the mountains in the east by leading a cattle stampede against his opposition. Victory was finally achieved in 1817, and he was named supreme dictator. However, his reforms proved unpopular and he was deposed in 1823, and spent the remaining 18 years of his life in Peru. For 10 points, who was this hero who guaranteed the independence of Chile?

Answer: Bernardo O'Higgins

20. Islands occupied by this country include Socatra, Perim and Kamaran. A flat, low coastal desert plain called the Tihamah lines the coast and the eastern portion is sparsely inhabited except for the Hadhramaut district. Major towns include Al Hudayah and Ta'izz and the Rub' Al Khali occupies the northern part of the country. Civil war wracked the country in 1994, following its 1990 unification. FTP, name this country whose two largest cities are Sana'a and Aden, occupying the southwestern corner of the Arabian Peninsula.

Answer: Yemen

21. Among his minor works, the treatises *On Old Age* and *On Friendship* have always been admired for their tone of cultivated geniality. Highly important for historians are four collections of letters written by him to acquaintances and friends. This Roman statesman was born in 106 BC and is served as consul of Rome and governor of the province of Cilicia. He was at times a scholar and a writer, but he is probably best known as an orator and a lawyer, defending Roscius and denigrating Catiline. Politically, he struggled and schemed with dictators like Pompey and Julius Caesar for the preservation of the republic and Senatorial power. FTP, name this wordy guy, the bane of Latin-learning kids everywhere.

Answer: Marcus Tullius Cicero

22. Mother of Phrixus, who Hermes saved from his step-mother, Ino, with a golden fleece, and Helle, who was drowned in the Hellespont and had it named after her, this woman had an interesting beginning. Ixion had a crush on Hera, so Zeus made this woman out of clouds in the image of Hera to catch him in the act. Ixion, of course, slept with this cloud woman, and as punishment was bound to a fiery wheel that rolls forever across the skies. For ten points, name this woman who gave birth to the Centaurs.

Answer: Nephele

23. Though he was greatly influenced by the work of Husserl, he formulated his own theories that it was necessary to analyze the organism as a whole to discover what would happen as the result of a certain set of stimuli. He also turned his sights toward social and political issues of his day, publishing a collection of essays entitled "Humanism and Terror" that defended Soviet communism. He was disillusioned by the Korean War, at which time he broke with Sartre who defended the North Koreans. FTP, name this French philosopher, regarded as his country's leading exponent of phenomenology.

Answer: Maurice Merleau-Ponty

24. His reaction is important in the synthesis of steroids and vitamins A and D2. He eventually settled at the University of Heidelberg to teach and pursue research. His rearrangement uses an alkyl lithium molecule to change an ether to an alcohol, moving the methyl group from the oxygen to the adjacent carbon. His eponymous reaction proceeds through an abetaine intermediate, reacting a ketone with a phosphorane to yield an alkene. FTP, name this German chemist, winner of the 1979 Nobel Prize.

Answer: Georg Wittig

25. Botanists recognize three groups of this organism: fruticose, foliose and crustose. In the Arctic, they provide two-thirds of the food supply for caribou and reindeer. There are about 20,000 species of it, some of which grow on soil, but most grow on rocks or tree bark. They have no roots and grow only when moistened by dew or rain. FTP, name this organism which consists of an alga and a fungus living together as a single unit.

Answer: LICHEN

26. Born in the Ukraine, he debuted with the Saint Petersburg Imperial ballet in 1907. He went on to star in Sergei Diaghilev's Ballets Russes. His unconventional choreography and subject matter earned him worldwide acclaim, but also prompted allegations of obscenity. For ten points, name this premier danseur whose struggle with schizophrenia ended his career in 1919, and whose sister was the teacher of Maria Tallchief.

Answer: Vaslav Fomich Nijinsky

27. It took seven long years to take it from its initial concept to its first public performance. The composer's mentor, Stephen Sondheim, arranged a grant to fund it in its early stages, and it was first performed at the New York Theater Workshop. Songs include "Out Tonight", "I Should Tell You", and "Light My Candle". FTP name this 1996 musical, whose creator was misdiagnosed with food poisoning and stomach flu before dying of an aortic aneurysm on the night of the last dress rehearsal.

ANSWER: RENT

28. In computer systems, this type of circuit is used for storing information. Depending on the state of the most recently applied input signal, this bistable electronic device assumes one of two stable output states. One can also find these circuits in arithmetic logic units as well. FTP, name this common electronic switch whose name also connotes a popular type of beach and poolside footwear.

Answer: Flip flop (ACC: Toggle)

29. Born in Sarcenat, France in 1881, he was ordained as a priest in 1911, but decided to serve as a stretcher bearer in World War I, where he earned the Legion of Honour. A paleontologist, he was involved in the discovery of Peking Man, but he is better known for his philosophical writings, which include "The Phenomenon of Man" and "The Divine Milieu". These writings contained some controversial ideas which led the Holy Office to issue a monitum on his writings in 1962. FTP, name this Jesuit who believed that all of reality is evolving towards a final goal which he called the Omega Point.

Answer: Pierre TEILHARD de Chardin

30. Tellingly, it had no words for "tiger," "iron," or "palm tree," but some words in it include "yewo" (grain), "ayos" (copper or bronze), and "ekwos" (horse). It possessed a noun form for "dual" as well as singular and plural, and four tenses: present, aorist, imperfect, and perfect. FTP, name this reconstructed language, the hypothetical ancestor of language families including Sanskrit, Germanic, Greek, and Italic.

ANSWER: proto- Indo-European (prompt on just "Indo-European")

31. After a failed love affair and an abortive stint in the Canadian RAF, he returned to his home and enrolled at the University of Mississippi, where he was known, among other things, for not running the post office. His first sustained attempt at writing fiction began in January of 1925 and ended that July. His first novel, *Soldiers' Pay*, was about soldiers returning to the South from the war and feeling alienated from the world of civilians. He was counting on *Flags in the Dust* to establish his reputation as a writer, but it only appeared in a very abbreviated version entitled *Sartoris*. FTP, name this author of such works as *As I Lay Dying*, *Light in August*, and *The Sound and the Fury*.

Answer: William Faulkner

32. The Romans identified him with their Mars, quite strange since it seems that this god is more known as a god of justice. He was more concerned with treaties than with war and was considered the guardian of oaths and the guarantor of contracts. He agreed to hold his hand in Fenris's mouth while the other gods trapped the wolf, but when Fenris realized this, it bit off his hand. FTP, name this one-handed Norse deity.

Answer: Tyr

33. Headquartered in Washington, DC, it had 30 member countries when it was founded in 1945 but currently has over 150. It was created to promote the growth of world trade by setting rules for the maintenance of fixed exchange rates. It also took on the job of collecting and standardizing international economic data. FTP, name this economic entity created by the Bretton Woods agreement.

ANSWER: INTERNATIONAL MONETARY FUND or IMF

34. At the age of nine he accompanied his father on an expedition to conquer Spain. From his 18th to his 25th year, he was the chief agent in carrying out the plans by which his brother-in-law Hasdrubal extended and consolidated the dominion on the Iberian Peninsula. When Hasdrubal was assassinated in 221 BC, the army chose him as commander in chief. FTP, identify this son of Hamilcar Barca, a Carthaginian general whose march on Rome from Spain across the Alps in 218-217 BC remains one of the greatest feats in military history.

Answer: Hannibal

35. Today, the world's most famous "chamber orchestra" is named after him. In ancient times his name was associated with a mystery religion that included a dogma of the immortal soul, original sin, and an afterlife filled with reward or punishment. But he is best known for the stories in Ovid about his murder and decapitation at the hands of the women of Thrace and his earlier attempt to retrieve his slain wife from the Underworld. FTP, name this bard and husband of Euridice.

Answer: Orpheus

36. Located in North Rhine-Westphalia, Germany, this medieval city lies less than five miles south of the Dutch border and is connected with the Rhine by a canal. Chartered in 1242, it passed from its original line to the counts of La Marck in 1368 and was made a duchy in 1417 and the former ducal castle, Schwanenburg is associated with the legend of Lohengrin. For ten points, name this city, ancestral home of a famous line of counts, and most notably Henry VIII's fourth wife, Anne.

Answer: Cleves

37. Martin Luther derided it as an "epistle full of straw" because of its lack of evangelical character and its focus on works. Luther was not the first to criticize it, as its authority was disputed by the early church and Eusebius counted it among the Antilegomena, or "contested writings." However, by the end of the third century it was widely accepted as canonical, a position reaffirmed by the council of Trent. FTP name this Biblical letter, attributed to the Lord's brother.

ANSWER: Epistle of James

38. Ferdinand, King of Navarre demands 100,000 crowns to be repaid by France or the ownership of Aquitaine. The French king sends his daughter to negotiate along with ladies Rosaline, Maria, and Katherine. The king sends Biron, Longaville, and Dumaine meet the guests, though the women are not allowed in the court. However, as each lord is discovered to love a lady, the lords devise entertainment of the Nine Worthies for them. In the absurdly long final scene, each lord dresses as a Russian and woos them, only to have their confessions interrupted by the news of the king of France's death. So ends, FTP, what alliteratively titled Shakespeare comedy?

Answer: Loves Labor Lost

39. Examples of this include Papiamentu in Aruba, Sranantonga in Surinam, Krio in Sierra Leone, and Gullah in South Carolina. They arise with the economic or political dominance of the speakers of one language over those of another, especially if the latter are illiterate. More complex than a pidgin, it begins as a simplified form of the dominant language, which becomes the lingua franca between groups. FTP, name this type of hybrid language, which has over time become the native language of a heterogeneous speech community.

Answer: creole

40. In prokaryotes, they are 15 to 20 nanometers in diameter, and consist of three molecules of RNA and about 50 different proteins. In eukaryotes they are somewhat larger, and in addition to being found free in the cytoplasm, are also located on rough ER and in mitochondria and chloroplasts. Consisting of a large and a small subunit, FTP, what is this cellular organelle whose function is to synthesize proteins?

ANSWER: ribosomes

41. Born in New York City to Russian Jewish immigrant parents, he graduated from Columbia University in 1934. In 1942 he enlisted in the United States Navy. While serving in the Pacific Ocean, he began work on his first novel. Early novels of his included *Aurora Dawn* and *The City Boy*. More recent novels include *Inside, Outside, The Hope*, and *The Glory*. FTP, identify this author of *Marjorie Morningstar*, *The Winds of War*, and *The Caine Mutiny*.

Answer: Herman Wouk

42. He astutely handled a rebellion against oppression by his local officers in Takshasila in Gandhara. Succeeding his father Bindusara, as a younger son, he had to fight his elder brothers to become emperor. He may have gotten his first administrative experience in either Takshasila or the city of Ujjain. After becoming emperor he set to conquer the fertile, ore-rich and strategically located province of Kalinga, though after its successful conquest he renounced war for all time. FTP, name this most famous of the Maurya Emperors, noted for his edicts.

Answer: Asoka

43. Born in 1807, to a family of fishermen and coastal traders, he served in his country's navy from 1833-1834, but after becoming involved in a failed republican uprising, he was exiled to South America, where he aided the small Republic of Uruguay against Juan de Rosas, the dictator of Argentina. Returning to Italy in 1848, he fought for revolutionary governments in Milan and Rome, from which he was ultimately expelled by the French. FTP, name this "Hero of Two Worlds", who conquered the Kingdom of the Two Sicilies for Piedmont with his 1000 Redshirts.

Answer: Giuseppe Garibaldi

44. A nude version of the subject of this 16th-century work, painted by the same artist, reportedly once belonged to the king of France. Originally, the figure was represented in a roofed, open gallery, and the remains of the column bases may still be seen to the left and right of the shoulders. Painted on a pine panel while the artist was working on the now vanished fresco of *The Battle of Anghiari* in the Palazzo Vecchio, Florence, FTP, identify this famous sfumato portrait with a captivating smile, much parodied and exploited in popular culture.

Answer: Mona Lisa or La Gioconda

45. One derivation of it uses the work-energy theorem to find the kinetic energy of a relativistic particle, then adds in the constant rest energy to produce the only equation included in Stephen Hawking's *A Brief History of Time*. Implications of it include the nuclear binding energy curve and the debunking of absolute conservation of matter. FTP, state this equation which expresses the equivalence of mass and energy, famously derived by Albert Einstein.

ANSWER: $E = mc^2$ (grudgingly accept $E = \gamma mc^2$)

46. It consisted of an Assembly, in which every member had an equal vote and veto power, and a Council, which consisted of four permanent and a varying number of temporary members. Headquartered at Geneva, it settled disputes between Finland and Sweden, Albania and Yugoslavia, Poland and Germany, and Hungary and Czechoslovakia, but it was hamstrung by its need for unanimity and the absence of certain nations. FTP, name this international body, urged by Woodrow Wilson as one of his Fourteen Points.

ANSWER: League of Nations

47. As a young child, he found a magical seer stone which many believed led him to his famous discovery. With Oliver Cowdery, he founded an organization in Fayetteville, NY, but later fled with his wife, Emma Hale, to Commerce, Illinois which became the state's largest city. In 1844, he ran for president, producing a great outcry. When he ordered his followers to protect him, he was charged with treason and jailed in Carthage with his brother Hyrum where they were later murdered. FTP name this man, the finder of golden tablets and founder of the Mormons.

Answer: Joseph Smith

48. John Archibald Wheeler created the current name for these objects, replacing the former "frozen star." Types include Reissner-Nordstrom, Kerr, Kerr-Newman and Schwarzschild. An acceleration disk can be used to locate them, as can the x-ray radiation emitted by matter before entering one of these. It is theorized that one of these exists at the center of every galaxy. For 10 points, what are these objects, at the center of which is a point of limitless density, called the singularity?

Answer: Black Holes

49. When the protagonist goes to visit his cousin Joachim Ziemssen, an officer in the German army, at a sanatorium, he thinks it will only be for a few weeks, but then it turns out he has a fever, and he falls in love with the catlike Clavdia Chauchat, and, in spite of Lodovico Settembrini's warnings, stays there for seven years. FTP, name this 1922 novel about Hans Castorp, written by Thomas Mann

Answer: The Magic Mountain (or Der Zauberberg)

50. Despite its desirable properties of hardness and lightness, its production remains quite low. Large deposits are found in geologically active regions such as the Mojave Desert and Turkey. It's most important use is as a component of pottery glazes, but it is also used as a semiconductor and as a component of fertilizers. In its amorphous form it is a dark brown or black powder. FTP, name this element with atomic number 5.

ANSWER: BORON