

1. Children with this disorder exhibit increased muscle tone and an awkward gait and are usually hyperactive and irritable and make purposeless, repetitive motions. One effect of this autosomal recessive genetic disorder is that afflicted individuals tend to have blonde hair, blue eyes, and fair skin due to a decrease in the formation of melanin. Meat, fish, poultry, milk, eggs, dairy products, nuts and legumes, and even many products containing regular flour must be avoided for the entire life of the individual. FTP, the Guthrie test or one of several more recently developed diagnostic tests to measure the concentration of phenylalanine in a newborn's blood is necessary to avoid the mental retardation and personality disturbances associated with what disorder?

Answer: PKU or phenylketonuria or phenylalaninemia or phenylpyruvic oligophrenia

2. Each member state or town was autonomous, but all members participated in a council that met twice a year to formulate common foreign policy and to enact legislation involving economic matters, such as coinage. The leading statesmen included the generals Aratus of Sicyon and Philopoemen of Megalopolis. About 235 BC Cleomenes III, king of Sparta, provoked a war with it in an attempt to force them into their own federation. FTP, identify this confederation of 10 or 12 towns in ancient Greece, established by the people living on the northern coast of the Peloponnesus.

Answer: Achaean League

3. He went to London about 1560 and was employed by the royal printer, Reginald Wolfe, to assist in the compilation of a universal history. After Wolfe's death, he continued the work, publishing it in an abridged form as the *Chronicles of England, Scotland, and Ireland*. A revised edition, published posthumously in 1587, contained passages offensive to Elizabeth I, who ordered the work expurgated. FTP, identify this English chronicler, whose fame rests on his use as source material by Shakespeare for various plays.

Answer: Raphael Holinshed (or Hollingshead)

4. In machine design, it is the reciprocal of the diametral pitch of a gear. In architecture, it is the dimensions of a structural component that are used as a unit of measurement for determining the proportions of the rest of the construction. In electronics, it is a self-contained assembly of electronic components and circuitry that is installed as a unit. In computer science, it is a portion of a program that carries out a specific function and may be used alone or combined with others of the same program. For ten points, give this shared term, which also defines a self-contained unit of a spacecraft that performs a specific task or tasks in support of the major function of the craft.

Answer: module

5. It is a semiautobiographical novel and is considered the author's masterwork. The main character has a handicap and is acutely aware of it. He becomes a medical student in London where he enters an abusive relationship with a woman he cannot leave. When Philip Carey finishes medical school, he finally finds a new, loving, relationship with Sally Athelney. When it is discovered that Sally might be pregnant, Philip is forced to examine his life. He decides to marry Sally, after it is discovered that she is not pregnant. FTP, name this 1915 book by W. Somerset Maugham.

Answer: Of Human Bondage

6. He enlisted as a cavalryman in the French army and in 1796 was made general of brigade. On the establishment of the empire by Napoleon Bonaparte, he was made marshal of France and in 1805 was created duke of Elchingen. He distinguished himself in the invasion of Russia in 1812 and was named prince of Moscow. In 1815, after the capitulation of Paris, when Napoleon returned to France after escaping from Elba, he was sent to oppose Napoleon's advance. FTP, identify this French marshal, who instead deserted the Bourbon monarchy, rejoined Napoleon's forces, and was defeated by Wellington in a preliminary to Waterloo.

Answer: Michel Ney

7. He studied with the English-trained American architect Benjamin Latrobe and subsequently practiced as one of the first native professional American architects in Washington, Philadelphia, and Baltimore. An exponent of the Greek Revival style, he achieved simple, finely proportioned, and monumental effects in his work. In 1820 he became state architect and engineer of South Carolina, and from 1836 until 1851 he was the official architect of public buildings for the U.S. government. Some important works of his include the Treasury Building and the Patent Office Building, which now houses the National Collection of Fine Arts and the National Portrait Gallery. FTP, identify this American architect, whose best-known design is the Washington Monument.

Answer: Robert Mills

8. Rising in northwestern Wyoming, it traverses southern and eastern Montana and empties into the Missouri River on the Montana-North Dakota boundary. The river, 671 miles long, is navigable for about 300 miles and drains an area of about 70,400 square miles. The chief tributaries are the Tongue, the Powder, and the Bighorn rivers. FTP, identify this river, which names a national park which it flows through.

Answer: Yellowstone River

9. This silver-white metal is used notably to color glass and ceramics. It had mistakenly been grouped together with its periodic-table neighbor for nearly 50 years, until 1885 when Auer von Welsbach separated it out from a rare-earth lanthanide mixture (long thought to be its own element) by the fractional precipitation of the mixture with ammonia. Welsbach named the element from the Greek word for "leek-green" (because its salts are that color) plus the suffix of the mixture. FTP, name this element, atomic number 59, no longer confused with its "newer" relative.

Answer: Praseodymium

10. Set aboard a steamboat traveling on the Mississippi River, the book is an episodic series of vignettes of various passengers. Some are dupes, some are tricksters, and they represent a gullible American public that can be deceived by charlatans and the lure of easy money. The last novel to be published during its author's lifetime, it reveals the author's pessimistic view of an America grown tawdry through greed, self-delusion, and lack of charity. FTP name this 1857 satirical allegory, the product of the last days of illness and depression of Herman Melville.

Answer: The Confidence Man

11. He held that metaphysical truths can be expressed in two ways: through philosophy, as represented by the views of Aristotle, and through religion, which is truth presented in a form that the ordinary person can understand. Although he did not actually propound the existence of two kinds of truth, philosophical and religious, his views were interpreted in that way by Christian thinkers, who called it the theory of "double truth." FTP, identify this Spanish-Arab Islamic philosopher, whose extensive commentaries on the works of Aristotle were translated into Latin and Hebrew and greatly influenced the Scholastic school of philosophy in medieval Europe.

Answer: Averroes

12. Walter Matern is persuaded by his childhood best friend to join the Nazi Party. That best friend, Eduard Amsler, wanted access to the brown uniforms that he would use in his gifted construction of scarecrows. Matern grows disillusioned with the Nazi Party following an attack on Amsler, and poisons the dog Harras, who sired Hitler's favorite dog, Prinz. Matern is then court-martialled for an anti-Nazi attitude and sent to a prisoner of war camp, setting up book three in, FTP, what 1965 novel by Gunter Grass?

Answer: Dog Years

13. The people of Mycenae decided that the possessor of the fleece of a golden lamb should be their king, and as a result he was chosen. Zeus intervened, however, and, by causing the sun to reverse its course and set in the east, gained his abdication. His brother succeeded him as king and banished him. Later his brother discovered the infidelity of his wife and in revenge called him back from exile. At a welcoming banquet, his brother served him the flesh of his two murdered sons. When this was revealed to him, he laid a curse on his brother and his descendants. The oracle at Delphi then advised him to ravish his own daughter, Pelopia. From the incestuous union was born Aegisthus, who later helped fulfill the curse that he had placed on his brother's family. FTP, identify this figure from Greek mythology, the son of Pelops and brother of Atreus.

Answer: Thyestes

14. Completed on September 9, 1976, the project was the result of: 42 months of collaborative efforts, eighteen public hearings, the cooperation of 59 ranch owners, three sessions at the Superior Courts of California, and the drafting of a 450 page Environmental Impact Report. Due to the Nixon White House allowing car-makers to delay the implementation of air-bag laws for more than 10 years, an abundance of air-bag fabric was available at a reasonably low price. Extending from the small inland town of Cotati, California through hills, pastures, trees, and the town of Valley Ford while leaving passage for cars, cattle, and wildlife, to the Pacific Ocean 24 1/2 miles away, FTP, identify this work on display for 14 days by Christo and Jeanne-Claude.

Answer: Running Fence

15. In other aspects of computing, it can also refer to an extended set of codes used to include additional characters in a particular character set; for example, IBM offers an extended character set that adds an additional 128 characters to the standard ASCII codes. In programming, it can also be a program or program module that adds functionality to or extends the effectiveness of a program. It can be assigned by the user, or it can be assigned by, and have special meaning to, a program, as is the case with examples such as BAS for the BASIC language and COM and EXE for executable programs that MS-DOS can load and run. FTP, identify this set of characters added to a filename that serves to extend or clarify its meaning.

Answer: extension

16. "My ideas are my property. They were taken from me by force, by breach of contract. It was believed that my work belonged to others, to do with as they pleased. They had a claim upon me without my consent, that it was my duty to serve them without choice or reward. Now you know why I dynamited Cortlandt. I designed Cortlandt. I made it possible. I destroyed it. My building was disfigured at the whim of others who took all the benefits of my work and gave me nothing in return." These words, spoken in the climatic courtroom scene of this 1943 novel, summed up its protagonist's aversion to conformity and through it, mediocrity. FTP, name the novel centering around the very different viewpoints of Peter Keating, Gail Wynand, Roger Enright, Dominique, and Howard Roark.

Answer: The Fountainhead (accept Howard Roark before "novel")

17. Educated at the University of Cambridge, he began his professional research with structural studies of marine worms. Later, he came to support the theories of Gregor Mendel as his interest turned to genetics. Subsequently, he wrote *Mendelism*, the first textbook on the subject. During World War I, when many foods were scarce, he developed a process known as "autosexing" to employ sex-linked plumage-color factors to distinguish male from female chickens; early identification of the less valuable males was thus made possible. FTP, identify this British scientist, perhaps best remembered today when one is trying to determine all possible combinations of gametes by use of his eponymous square.

Answer: Reginald Crundall Punnett

18. It was based on a Zulu cultural movement started in 1924 by the founder's grandfather, King Dinizulu. Its ideology is conservative, reflecting Zulu traditions and institutions, and stressing patriarchal discipline. It quickly became the ruling political party in the former bantustan, or black homeland, of KwaZulu. In the 1978 KwaZulu Legislative Assembly elections, it won all but one seat. FTP, identify this South African political party, founded by Mangosuthu Gatsha Buthelezi, which in more recent years has been characterized by opposition to the African National Congress.

Answer: Inkatha Freedom Party

19. She accompanied her husband to Italy in 1803, following a reversal in the family fortunes; some months after his death in Pisa she returned to New York City and, in 1805, became a Roman Catholic. In 1809 she established in Emmitsburg, Maryland, the first house of what later grew into a widespread religious community known as the Sisters of Charity, with a rule, or constitution, modeled upon that of the Daughters of Charity of the French priest St. Vincent de Paul. Elected the first superior of the order, she held that office until her death. FTP, identify this educator and philanthropist, who in 1975 became the first American-born saint of the Roman Catholic Church.

Answer: Saint Elizabeth Ann Seton

20. According to tradition, Alcaeus was her lover. Another legend holds that because of her unrequited love for the young boatman Phaon she leaped to her death from a steep rock on the island of Leucas. The inventor of a four-line stanza in which the first three lines are each 11 syllables long and the fourth is 5 syllables long, this form is now named for her. She wrote nine books of odes and a number of *epithalamia*, or wedding songs, as well as elegies, and hymns, but only fragments remain. FTP, identify this Greek poet, whom Plato referred to two centuries after her death as the tenth muse.

Answer: Sappho

1. Identify the Beat Generation works from quotes, 5-10-15.

A. "I saw the best minds of my generation destroyed by madness, starving / hysterical, naked dragging themselves through the negro streets at dawn looking for an / angry fix."

Answer: Howl (Allen Ginsberg)

B. "The only ones for me are the mad ones . . . that go out in the night like a Roman Candle."

Answer: On the Road (Jack Keruoac)

C. "Present time is a film and if you are on set in present time you don't feel present time because you are in it . . . How many of you people can live without film coverage? How many of you can forget you were ever a cop a priest a writer leave everything behind and walk right out of the film? There is no place else to go. The theatre is closed."

Answer: Exterminator (William S. Burroughs)

2. Identify the scientist, 30-20-10.

A. He was born in Briesen (now Warbrzeznno, Poland), and educated at the universities of Zürich, Berlin, Graz, and Würzburg. After serving as professor at the University of Göttingen, he was appointed professor of physics at the University of Berlin in 1905 and later became director of the Institute of Experimental Physics in Charlottenburg (a district of Berlin). In 1925 he was appointed director of the Physical Institute at the University of Berlin.

B. He developed an electric lamp which was more efficient than the old carbon-arc lamps, but which became obsolete with the development of modern filament lamps. He made outstanding contributions to the study of chemical equilibria and to the theory of solutions, particularly regarding the nature of electrolytes. He also conducted important research on substances at extremely low temperatures.

C. He developed the third law of thermodynamics by expanding principles laid out in the first two laws. He won the 1920 Nobel Prize in Chemistry.

Answer: Walther Hermann Nernst

3. Identify the Norse wives, given husbands, FFP each.

A. These three figures have all been variously identified as wives of Odin.

Answer: Jord, Freya, Frigga

B. Balder

Answer: Nanna

C. Freyr

Answer: Gerd

D. Loki

Answer: Signe (or Sigun)

4. Answer these questions about ancient capitals, FTP each.

A. These two cities were the most dominant of ancient Phoenicia, and alternated as sites of the ruling power.

Answer: Tyre and Sidon

B. This Lydian capital achieved its greatest fame during the reign of Croesus.

Answer: Sardis

5. Identify the artist, from a description, 30-20-10.

A. He established his reputation with the work *Commodore Keppel*, in which the sitter's heroic pose is based directly, albeit in reverse, on that of the *Apollo Belvedere*, then regarded as the matchless ideal of male beauty.

B. James Boswell dedicated his *Life of Johnson* to him. He was also the first President of the Royal Academy.

C. This English painter was the leading portraitist of his day; other major works include *Tragic Muse* and *Age of Innocence*.

Answer: Sir Joshua Reynolds

6. Identify the following 7-letter terms from botany or biology FTP each:

A. This term describes a type of plant that is not separated into stem, leaves, and roots.

Answer: thallus

B. The molting of the exoskeleton of arthropods is known by this term.

Answer: ecdysis

C. This term describes a molecule recognized as foreign by the body's immune system which causes a release of antibodies.

Answer: antigen

7. Identify the first and last rulers directly tied to the following dynasties, FFP for one and 15 for both.

A. Capetian

Answer: Hugh Capet and Charles IV

B. Plantagenet

Answer: Henry II and Richard II

8. Identify the Aristophanes plays from some characters FFP each.

A. The Athenian women Kleonike and Myrrhine, and the Spartan woman Lampito

Answer: Lysistrata

B. Praxagora, an Athenian woman of somewhat radical views, and her suspicious husband Blepyros

Answer: The Congresswomen (or Ecclesiazusae)

C. Dionysos, his slave Xanthias, and Herakles

Answer: The Frogs

D. Euelpides and Pisthetairos, both Athenians, and Epops

Answer: The Birds

E. Strepsiades, his playboy son Pheidippides, and Sokrates

Answer: The Clouds

F. The elderly Athenian juror Philokleon, and his son Phobokleon

Answer: The Wasps

9. Identify the psychologists from works, 5-10-15.

A. *Gestalt Psychology*

Answer: Wolfgang Kohler

B. *The Growth of the Mind*

Answer: Kurt Koffka

C. *Memory: A Contribution to Experimental Psychology*

Answer: Hermann Ebbinghaus

10. Identify the Lee, none of whom are Robert E., FTP each.

A. On June 7, 1776, he offered a resolution that ultimately gave rise to the Declaration of Independence.

Answer: Richard Henry Lee

B. As a secret agent of the Continental Congress in London during the American Revolution, he negotiated with several European governments and helped conclude a treaty with France. He served in the Virginia assembly in 1781 and in the Continental Congress from 1782 to 1785.

Answer: Arthur Lee

C. In 1775 he was appointed by Congress to the second major generalship in the Continental Army. At the Battle of Monmouth on June 28, 1778, he ordered a retreat, thus preventing an American victory. He was relieved of his command. A duel with Washington's aide-de-camp, John Laurens, and an insolent letter to Congress completed his downfall.

Answer: Charles Lee

11. Given a book of the Bible, identify it as taking place before the Babylonian invasion of Jerusalem, during the Babylonian exile, or after the Babylonian exile for five points, with a five point bonus for all correct.

- | | |
|------------|-----------------------|
| A. Daniel | Answer: <u>during</u> |
| B. Nahum | Answer: <u>before</u> |
| C. Judges | Answer: <u>before</u> |
| D. Ezra | Answer: <u>after</u> |
| E. Ezekiel | Answer: <u>during</u> |

12. Answer these questions about an event in Sudanese history, F15P each.

A. In 1881 he declared himself to be the prophesied Muslim messiah who would rid the world of evil, and declared a holy war on the infidel occupiers of Sudan. He led a victorious attack on Al Ubayyid in 1883, and went on to capture all of the Darfur region of western Sudan. In 1884 his forces besieged Khartoum for 10 months, until it finally fell in January, 1885.

Answer: Muhammad Ahmad (Accept: Mahdi)

B. This British general arrived in Khartoum in February 1884, evacuating about 2500 women and children, as well as the sick and wounded, before the Mahdi's forces surrounded the city. His requests for military aid were rejected because of Britain's vacillation about its role in the Sudan. Despite weak fortifications, insufficient food, and an understaffed garrison, he withstood the siege for ten months. In November 1884 Prime Minister Gladstone finally sent an expeditionary force to relieve him; it arrived two days after his death during the fall of Khartoum.

Answer: Charles George Gordon

13. Identify the geologic epochs from dates, FTP each.

A. 345 million years ago to 320 million years ago.

Answer: Mississippian

B. 38 million years ago to 26 million years ago.

Answer: Oligocene

C. 2.5 million years ago to 10,000 years ago.

Answer: Pleistocene

14. Identify the Russian authors from works, 5-10-15.

A. *The Inspector General*

Answer: Nikolay Vasilyevich Gogol

B. *A Hero of Our Time*

Answer: Mikhail Yuryevich Lermontov

C. *Christ and Antichrist*

Answer: Dmitry Sergeyevich Merezhkovsky

15. Answer the following on the writing of Roddy Doyle for ten points each:

A. Doyle's first three novels: *The Commitments*, *The Snapper*, and *The Van* form this trilogy which shares its name with the working class suburb of Dublin where all three stories are set.

Answer: Barrytown

B. The Barrytown Trilogy features the ups and downs of this family of eight.

Answer: The Rabbittes

C. Roddy Doyle won the Booker Prize in 1993 for this fourth novel, also set in Barrytown, told from the viewpoint of a 10-year-old boy.

Answer: Paddy Clarke Ha Ha Ha

16. Given a description of work that won the Nobel Prize in Physics, name the scientist behind the work for ten points. You will receive five points if you need the year.

A. 10. He discovered the tau lepton.

5. 1995

Answer: Martin L. Perl

B. 10. He invented the bubble chamber.

5. 1960

Answer: Donald A. Glaser

C. 10. He predicted the existence of mesons on the basis of theoretical work on nuclear forces.

5. 1949

Answer: Hideki Yukawa

17. Identify the Texas rivers, from a description, FTP each.

A. It rises in northeastern Texas and flows southeast to the Louisiana boundary; it then flows south, forming the state line between Texas and Louisiana until it empties into the Gulf of Mexico.

Answer: Sabine

B. It is formed by the junction of the Double Mountain Fork and the Salt Fork. It flows southeast and empties into the Gulf of Mexico near Freeport, and is 1210 miles long. Two large reservoirs north of Waco were formed by the construction on the river of the Possum Kingdom Dam and the Whitney Dam.

Answer: Brazos

C. Rising in the Sangre de Cristo Mountains in north central New Mexico, it flows 735 miles southeast to join the Río Grande River in Texas.

Answer: Pecos

18. Name the Civil War battles from the date for ten or for five points if you need the opposing generals.

A. 10: August 26-September 1, 1862

5: Robert E. Lee and James Longstreet vs. George McClellan and John Pope

Answer: Second Battle of Manassas or Second Battle of Bull Run

B. 10: August 5, 1864

5: Rear Admiral David Farragut vs. Admiral Franklin Buchanan

Answer: Battle of Mobile Bay

C. 10: November 30, 1864

5: John Schofield vs. John Bell Hood

Answer: Battle of Franklin

19. Identify the type of musical scale do you get by playing the following sequences of keys from left to right, 5-10-15.

A. Eight white keys beginning with middle C

Answer: C major

B. Five black keys

Answer: pentatonic

C. Twelve white and black keys

Answer: chromatic

20. Identify the Indian authors from a description, F15P each.

A. He rapidly became the most important and popular author of the colonial era, writing poetry, short stories, novels, and plays. He was awarded the 1913 Nobel Prize in literature, and in 1915 he was knighted by the British king George V. He renounced his knighthood in 1919 following the Amritsar massacre of 400 Indian demonstrators by British troops.

Answer: Rabindranath Tagore

B. His first novel, *Swami and Friends*, was based on his experiences as a village schoolteacher. Like his later fiction *The English Teacher* and *The Vendor of Sweets*, it is a gently humorous, elegantly crafted picture of daily life in a fictitious southern Indian town. His other novels include *Waiting for the Mahatma*, *The Guide*, *The Man-Eater of Malgudi*, and *A Tiger for Malgudi*.

Answer: R(asipuram) K(ishnaswamy) Narayan