

SET I

1. He is known today by the name he put on his first articles, which appeared in *L'Esprit Nouveau*. He received his training from Auguste Perret and Charles L'Eplattenier. He became a naturalized French citizen in 1930 and designed many urban plans in France and abroad, including the city of Chandigarh, India. FTP, name this Swiss architect and author of *Towards a New Architecture*, who designed the Chapel of Notre Dame-du-Haut.

Answer: Le Corbusier or Charles-Edouard Jeanneret

2. Nicknamed the Garden city, some of its tourist attractions include the National Science Center and Riverwalk. Home of the single A minor league baseball team, it is also the location of the headquarters of the Signal Corps at Fort Gordon. However, this city is better known for a sports event. FTP, name this city, the home of the golf tournament, The Masters.

ANSWER: Augusta, Georgia (prompt on Augusta)

3. It was inspired by an affair with his host's wife, Mathilde Wesendonck; five poems by her were set to music. However, the majority of the opera was based on a Strassburg epic poem. Brangane substitutes a love potion instead of a poison before King Mark's wedding, leading to tragic consequences for the two title characters. FTP, name this opera in which two star-crossed lovers perish to jealousy, composed by Richard Wagner.

ANSWER: Tristan und Isolde or Tristan and Isolde

4. Written in 5 cantos, this work was originally written to try and patch up two families that "lived so long in friendship before." By the time the piece was published there was no real chance of conciliation, as the main parties, who may have been courting, had already been married to other people. The piece was leaked and published without permission of the author. The piece describes nymphs and gnomes and sylphs, and makes the theft of an object owned by Belinda into an epic. FTP, name this Alexander Pope work that tells of the kidnapping of a piece of hair.

Answer: The Rape of the Lock

5. This equation includes three factors, the first two being collision frequency and fraction of collisions with proper orientation. These are usually lumped together into a single related constant, the frequency factor. The most important factor in the equation is the fraction of molecules with energy greater than the activation energy. Because this factor contains an exponential, the equation is often written in logarithmic form. FTP, name this equation of physical chemistry that states that the natural logarithm rate constant is proportional to the activation energy and inversely proportional to the temperature.

Answer: Arrhenius equation

6. The only way to prove the hypothesis correct is by having two culturally identical groups that use a language that differs in a testable way. This theory could explain why "Newspeak" was invented in Orwell's *1984*. Instead of claiming that our language is determined by the way we think, the theory states that the language used determines the thoughts we are able to have. FTP, name this theory, invented by two American linguists, that states that language molds thought and every culture with a different language has a different perception of reality.

Answer: Sapir-Whorf theory (accept linguistic relativity theory)

7. This deity is so mysterious that even the origin of his name is a mystery. Some have postulated that his name comes from "Royal Child," or from the word meaning "to putrify." What is known about him, however, is that he was the god of the dead before Osiris and is now believed to be the son of Osiris. Priest performing the ritual of "opening the mouth," a pre burial ritual, wore his mask, as he is the embalmer as well as the guardian of the physical bodies and the tombs that enclose them. FTP, identify this Egyptian god, who is generally depicted as a jackal.

Answer: Anubis

8. The buildup of gangliosides in Tay-Sachs is one disease that affects this cellular organelle. Derived from the Golgi Apparatus, they often combine with food vacuoles and substances taken in by phagocytosis. Apoptotic processes critically depend on this organelle, as well organelle recycling. FTP, name these organelles which contain concentrated digestive enzymes.

ANSWER: Lysosomes

9. The present day in this novel is 1956, but the narrator tells his story in flashbacks, dwelling on a 1923 conference at which he believes he acquired "dignity." His employer Mr. Farraday has given him permission to make a motoring trip to see the former housekeeper Miss Kenton. Along the way, Stevens reflects on his service to his previous employer, Lord Darlington, and what it means to be a great butler. FTP name this Booker Prize-winning novel by Kazuo Ishiguro.

Answer: The Remains of the Day

10. Allergies, fetishes and phobias are theorized to be due to it. Originally studied by a man who later won a Nobel Prize, this phenomenon occurs when different stimuli are paired together in a way to change behavior. Little Albert was a prime example of this phenomenon, when he developed a phobia for rats. When the training is complete, the training should be quenched via extinction. FTP name this technique which makes neutral stimuli into conditioned stimuli, || first investigated by Pavlov.

Answer: classical conditioning (accept Pavlovian conditioning before ||)

11. Charles Tursley is awkward and abrupt, nicknamed the Atheist. William Bankes is a bookish scientist who dislikes chitchat and dinner parties. Both are somewhat in love with Mrs. Ramsay, who is married to a self-doubting, coldly rational scholar. Mr. Ramsay is especially disliked by his youngest son James, who is crushed when his father tells him that the weather tomorrow will not permit them to go to the title location. FTP, name this 1927 novel by Virginia Woolf.

Answer: To the Lighthouse

12. It bitterly intensified Protestant suspicions of Catholics and led to the recusancy law, which fined those who refused to attend Anglican services. Its leader, Robert Catesby and several co-conspirators including Thomas Winter, Thomas Percy, and John Wright were angered by the harsh treatment of Catholics and had hoped that it would give Catholics an opportunity to overthrow the country. It might have succeeded but a tip led British authorities to the Parliament-cellar. FTP identify this plot perpetrated by Guy Fawkes.

Answer: Gunpowder Plot

13. A French cadet is too ineloquent to woo the woman he loves, so he asks a fellow soldier to write her love letters in his name. Although this man loves the same woman, his comic appearance prevents him from saying anything to her, so he agrees. When Christian is killed, the title character continues to keep his secret. Roxanne finally realizes the truth when the dying title character recites one of the love letters to her from memory. FTP, name this tragedy about a long-nosed gentleman by Edmond Rostand.

Answer: Cyrano de Bergerac

14. The federal government was formed by a compact of states, whose authority is strictly delineated by the Constitution. The states have the right to interfere with any alleged exercise of unconstitutional power. One was written by Thomas Jefferson, while the other was written by James Madison. FTP, name these two resolutions passed by the two states for which they were named, formulated in response to the Alien and Sedition Acts of 1798.

ANSWER: Kentucky and Virginia Resolutions

15. He attended the 2nd council of Lyon in 1274, and spoke in favor of acknowledging Rudolf of Hapsburg as the German king. His neoplatonic speculation was later continued by Ulrich of Strasbourg, but his work while occupying the Dominican chair "for foreigners" at the University of Paris led to him being named Doctor Universalis. FTP, name this Aristotelian scholar and teacher of Thomas Aquinas.

Answer: Albertus Magnus

16. Inachus mourns, missing Peneus' council as he mourns the loss of Io. The story of the founding of Crotona. The story of the tragic love between Pyramus and Thisbe. Daphne becomes a tree, and Apollo then adopts the laurel as his symbol. These stories appear in the 15 books of this epic, which begins with the creation of the world and ends with Julius and Augustus Caesar. FTP, name this classical work, a compilation of all that was Roman, written by Ovid.

Answer: Metamorphoses

17. A common laboratory process used for many years was ascribed to German chemist Johann Rudolf Glauber, consisting of heating potassium nitrate with concentrated sulfuric acid. Gay-Lussac and Berthollet established its chemical composition in 1816, and due to its strong oxidative properties, it is generally stored in dark brown bottles to prevent decomposition into N₂O₄. FTP, name this highly corrosive acid manufactured by the Ostwald process with formula HNO₃.

Answer: nitric acid

18. Its author believed we have direct experience of the contents of our own minds, which he called ideas. The senses are the only link to gaining ideas from the outside world, and everything present in the consciousness is filtered through the senses. The work denies the presence of innate ideas or understandings, arguing that each mind is a blank slate at birth. FTP, name this 1689 work by John Locke.

Answer: An Essay Concerning Human Understanding

19. He has a goldfish named Moby Dick and two turtles named Cuff and Link, whom he's bought at the pet shop from a shy girl named Adrian. He finally coaxes her out on a ten-minute ice-skating date, the start of a romance that's still going strong at the end of the movie. His opponent Apollo Creed becomes his trainer several sequels later when he has to fight Clubber Lang, played by Mr. T, to regain his title. FTP name this heavyweight boxer played by Sylvester Stallone.

Answer: Rocky

20. The next time the court did what it did in this case was in 1857. The decision gave the court many powers, making it a real equal to the other two branches of the government. The chief justice at the time wrote a decision that saved face for the court by making sure the Jeffersonians could not disregard a *writ of mandamus* of the court. The court ruled that though the Secretary of State should have paid a commission, the Judiciary Act of 1789 was unconstitutional and thus it could not write the writ. FTP, name this 1803 Supreme Court case.

Answer: Marbury v. Madison

21. The operation of this device is based on the fact that the flux in both coils is equal, so that the potential difference of each coil divided by the number of turns each coil has is also equal. The coils are known respectively as the primary and secondary windings. By varying the number of turns in each, it is possible to build this device in either a step up or step down variety. FTP, name this device used in alternating current transmission systems that can raise and lower the voltage.

Answer: transformer

STOP HERE

The National Recovery Administration made new rules to enforce fair competition in industry under the National Industry Recovery Act. The Glass-Steagal Act set up a federal insurance program for depositors. The Federal Housing Administration provided loan guarantees and the Agricultural Adjustment Act provided subsidies for farmers who burnt their crops. All these agencies and acts || were part of this program, along with the TVA, the CCC, the SEC, and the FDIC. FTP, name the program, developed by FDR.

Answer: New Deal (accept 1933 before ||)