

SET 8 J

1. Also called a [4+2] cycloaddition, it is also a class of pericyclic reaction. The first reaction to be understood by the Woodward-Hoffmann rules of conservation of orbital symmetry, it has a stereochemical preference for any electron withdrawing substituents to go into the "endo" position. FTP, name this reaction in which a diene bonds with an electron poor dienophile, discovered by its two eponymous German chemists.

ANSWER: Diels-Alder Reaction

2. This work is unusual in two ways: it has more than 150 narrators and they're all dead. Blind Jack says he now listens to Homer reciting the *Iliad*. Searcy Foote confesses that he killed his aunt to get her money. George Gray wishes he had taken more chances. Ann Rutledge says that in life, she was the beloved of Abraham Lincoln. Jonathan Summers was the region's epic poet who died before he could complete his *Spooniad*. FTP, name the work in which all these tales can be found, a collection of poems by Edgar Lee Masters.

Answer: Spoon River Anthology

3. First, each power would respect the trading rights of the others within each nation's sphere of influence; second, Chinese officials would collect import duties; and third, no nation would discriminate against the others in matters of harbor duties or railroad rates within each sphere of influence. FTP, name this "Notes" sent to the European powers and Japan, an attempt to open China to US trade written by Secretary of State John Hay in 1899.

ANSWER: Open Door Notes

4. His mother told him that he would become "a wild ass of a man". Sent into the desert by the wife of his father, he grew to become the father of twelve sons and a mighty warrior. FTP, name this man, point of contention between Arabs and Jews, the son of Abraham and the handmaiden Hagar.

ANSWER: Ishmael

5. These cells develop from the same developmental layer as the epidermis. Highly specialized, the systems of these cells are amongst the first to develop and the last to complete growth. Most of these cells are found in the head, along with a supporting cast of astrocytes and oligodendritic cells. Other places in the body, they are found surrounded by Schwann cells. FTP, name this cell type, found in the CNS and spinal cord.

Answer: Neuron

6. Though the French received this 1748 work unfavorably, it was praised across the rest of Europe. It states that legal systems should vary depending on the type of government, of which the author believed there were three: monarchical, despotic, and republican. A government established by the people is best, but only if the power is correctly balanced. The work commends the English system of dividing power among Parliament, the king, and the courts, and thus coined the phrase "separation of powers." FTP, name this most famous work of Montesquieu.

Answer: The Spirit of Laws

7. Snodgrass Hill and Pigeon Mountain are locations of some of the most bloody fighting of the battle. General Rosecrans found his troops spread thinly against Confederate troops led by Braxton Bragg. Attacked from Missionary Ridge, Rosecrans was able to retreat in good order due to the efforts of General Thomas. FTP, name this Civil War battle that occurred on September 20<sup>th</sup>, 1863 outside of Chattanooga.

ANSWER: Battle of Chickamauga

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9. Reaction formation is when conscious feeling is the opposite of the unconscious. Displacement is when the feelings are released on someone or thing other than the actual target of the feelings. Repression is when a threatening idea or memory is blocked from memory. And denial is when people simply refuse to admit the existence of emotion. All of these were described by Anna Freud and are weapons for the ego to use against the id. FTP, name this class of actions at the heart of psychoanalysis.

Answer: defense mechanisms

10. Though the narrator is traumatized by the discovery of her father's affair with his secretary Birdy Peters, she recovers enough to marry her childhood idol at the end of the novel. However, the story Cecily tells for most of the book is not of her own love but her husband's. The object of this love is a woman named Katherine, whom the title character meets at a Hollywood party, but she is engaged to another man and finally leaves Starr without saying goodbye. FTP name this unfinished novel by F. Scott Fitzgerald.

Answer: *The Love of the Last Tycoon*

11. The losing general attacked on September 2 with 220 heavy warships-probably a bad plan, because not only did his opponent have 260 ships but they were more maneuverable and could use their rams to greater advantage. Plus, the winner had the excellent tactician Marcus Agrippa on his side. The loser's ally provided 60 ships, but she inexplicably fled in mid-battle and he followed, abandoning his fleet to be captured by Octavius. FTP name this 31 B.C. sea battle off the west coast of Greece.

Answer: Actium

12. It is responsible for the phenomenon known as Newton's rings. You can measure the thickness of a hair with it by placing the hair between two pieces of glass and observing the resulting pattern. It is present in quantum mechanical descriptions of probability densities because the particles are treated as waves. Perhaps it is most famously observed when light passes through two slits and forms a pattern of light and dark bands. FTP, name this effect in which superposed waves add up or cancel each other out, as per its constructive and deconstructive varieties.

Answer: interference

13. The story is told three different times, and each one is different starting from the title character's encounter with the unfriendly dog on the stairwell. She has about twenty minutes to come up with a load of money and get it to her boyfriend Manni, played by Moritz Bleibtreu, who needs to pay his boss. FTP name this German film featuring Franka Potente performing the title action to a driving techno soundtrack.

Answer: *Run Lola Run (Lola rennt)*

14. Minor painters who were strongly influenced by this style include Daniele de Volterra and Giorgio Vasari. Originating in central Italy in the 1520s, it eventually spread all the way to the Netherlands and

inspired such paintings such as *Dead Christ with Angels* and *Venus, Cupid, Folly and Time*. It is characterized by artificiality, technical facility, contrived poses, and an emphasis on technique and symbolism. FTP, name this artistic school whose followers included Rosso, Bronzino, Cellini, and Rubens.

Answer: Mannerism

15. It includes the pieces *Solveig's Song* and *Ingrid's Lament*. Divided into two sections with overture, it is based on the work of the same name by Henrik Ibsen. FTP, what are these suites whose most famous components are *Morning Song* and *In the Hall of the Mountain King*, written by Edvard Grieg?

ANSWER: Peer Gynt

16. Its original name was Granville. Burrard Inlet lies to the north, while on the west lies the Strait of Georgia. Its international airport lies on the north side of the Fraser River delta. The host of the 1986's World's Fair, it is home to the Lion's Gate Bridge and the second largest Chinatown in North America. FTP, name this largest city of British Columbia.

ANSWER: Vancouver

17. He was elected a Doctor of the Church in 1899, when Pope Leo XIII declared his feast day to be May 27<sup>th</sup>. He was considered the most educated man of his time, and he wrote prolifically. He chronicled the history of the world from the Creation to the present day in *De temporibus liber* and *De temporum ratione*, while his *History of the Abbots* deals with the twin monasteries of Wearmouth and Jarrow, where he studied. However, he became known as the father of English history for his most famous 731 work. FTP, name this venerable monk, author of *Ecclesiastical History of the English People*.

Answer: Bede

18. Firms sell a standardized product. Firms are price takers. Factors of production are perfectly mobile in the long run. Firms and consumers have perfect information. These are the four conditions that define the existence of this. In this theory of markets, the marginal revenue and demand curves for an individual firm are identical, and are horizontal lines at the prevailing market price. FTP, name this very efficient type of market, the opposite of monopoly.

Answer: perfect competition (or perfectly competitive market)

19. Her hair is long, her eyes are wild, and her foot is light. She is beautiful, a faery's child, and sings bewitchingly. Her lover makes garlands and bracelets for her, while she finds him roots of relish sweet, honey wild, and manna dew. When she takes him to her elfin grot and they fall asleep, he dreams of death-pale warriors crying out that she has him in her thrall. When the young knight wakes, she is gone, and now he is alone and palely loitering. FTP, name this title character of a poem by John Keats.

Answer: La belle dame sans merci

20. Born in a part of Tahiti, she was banished by her father because of her temper and was given a canoe to travel north in. She would find an island, start digging her new home, but one place after another would prove to be unacceptable to her until she found her present home. She does control lightning, but is more famous for her fiery and explosive temper. FTP, identify this Hawaiian goddess of fire.

Answer: Pele

21. Its mechanism of infection is the PrP<sup>SC</sup> particle which catalyzes the stabilization of a protease-resistant, rod-shaped, aggregate. Infection can occur through contact with the bodily fluids or ingestion of infected foods; the death rate is 100%. Resulting in the buildup of plaques in neurons, Scrapie and Creutzfeld-Jacob are two diseases caused by these particles. FTP, name this class of infectious particles consisting entirely of proteins.

ANSWER: Prions

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He's described as being rather short with a dull stolid face, short brown hair, and an expression of mooncalf simplicity. In his first appearance in *The Blue Cross*, he has several parcels that he keeps losing track of, one containing a sapphire cross that attracts the attention of the great thief Flambeau. However, this priest exposes Flambeau with unexpected astuteness, which he continues to demonstrate in such stories as *The Honor of Israel Gow*, *The Queer Feet*, and *The Paradise of Thieves*. FTP, name this pious amateur detective created by G. K. Chesterton.

Answer: Father Brown