

SET G

1. One of the troubles it caused during its first performance was gridlock on the London Bridge. Consisting of a French overture followed by sections named *Peace and Rejoicing*, it was written for a party in Hyde Park celebrating the Treaty of Aix-la-Chapelle. FTP, name this piece, performed to the sound of bright lights and thunder in the sky, written by Georg Friedrich Handel.

ANSWER: Music for the Royal Fireworks (any order)

2. The indirect reason for this council was Pope Leo X's condemnation of 41 propositions of a certain heretic. When their author continued to criticize the papacy, he was excommunicated, but Frederick III refused to take action against him. Charles V agreed to interview him in front of the assembly under safe-conduct, where he refused to recant his views. FTP name this 1521 meeting of the assembly of the Holy Roman Empire which resulted in Luther's banishment.

Answer: Diet of Worms

3. The ideas it theorizes have been around for over a hundred years before the current name for them was introduced. The ideas always caused controversy because they seemingly support biological determinism, though actual proponents of the theory disagree. The theory has been most useful in explaining insect altruism. It attempts to use natural selection to explain all behaviors of all species, including humans. FTP name this theory, the namesake of a 1975 E. O. Wilson book.

Answer: sociobiology

4. The Hill Equation describes its binding to its ligand, which is hyperbolic in relation to concentration. 2,3-BPG allosterically stabilizes the T conformation by binding with cationic residues which lie between its beta and alpha subunits. Carbonic anhydrase serves as the key enzyme in the Bohr effect, while in Sickle Cell Anemia a point mutation causes a reduction of ligand-carrying capability. FTP, name this protein which carries oxygen in red blood cells.

ANSWER: Hemoglobin

5. The protagonist's character is introduced by the bishops of Ely and Canterbury, who discuss how much he's settled down from his previously dissipated life. A subplot concerns Corporal Nym's hatred of Pistol, who has married his betrothed Nell Quickly. The title character displays a broad range of character as he woos his French bride Katherine, scornfully declines the Dauphin's gift of tennis balls, and leads his army to battle at Agincourt. FTP name this Shakespearean play, the last of his so-called second tetralogy of histories.

Answer: Henry V

6. 75,569 square miles in area, it is surrounded by icefields. Separated from Greenland by the Kane Basin and the Robeson and Kennedy channels, it includes the Cape Columbia and the Grand Land Mountains. FTP, name this arctic island, the third largest in Canada.

ANSWER: Ellesmere Island

7. Coming from the Seminole word meaning "trembling earth", Franklin Roosevelt made it a National Wildlife Preserve in 1937. The Stephen Foster State Park is completely surrounded by this

preserve. Trail Ridge bounds it on the east, and it is drained by the Saint Marys and Suwannee Rivers. FTP, name this swamp in Georgia and Florida, which is also the setting of the comic strip, "Pogo".

ANSWER: Okefenokee Swamp

8. Like *The Prince*, this work states that anyone will break a covenant if it is in their best interest to do so. The best way to maintain order is therefore to establish a situation in which no one will want to break the laws. This is accomplished by giving absolute power to a central authority, whether one person or a group, with the goal of maximizing their personal freedom and safety and to prevent their lives from being "poor, nasty, brutish, and short." FTP, name this 1651 book by Thomas Hobbes.

Answer: Leviathan

9. The first is a direct result of the inverse-square nature of the gravitational force. The second is a statement of conservation of angular momentum, while the third is derived from considerations of centripetal force. All planets move in elliptical orbits with the sun at one focus. A line joining any planet to the sun sweeps out equal areas in equal times. The square of the period of any planet is proportional to the cube of the planet's mean distance from the sun. FTP, give the collective name for these three laws of planetary motion.

Answer: Kepler's laws

10. This generic term originally meant an outward sign of faith; thus it included diverse rites from priests shaving their heads to circumcision. Today the term refers to an act that causes grace in a person. Each is comprised of an outward act, the inner meaning, and divine institution—for example, baptism consists of pouring water on a baby's head, causing the purification of the soul through divine grace. Other examples include matrimony, extreme unction, and the Holy Eucharist. FTP, name this "outward sign of inward grace," of which there are generally seven.

Answer: sacrament

11. This equation can be derived from a basic reaction rate expression and the definition of pH. One of the interesting results of this equation is that if the acid and conjugate base concentrations are equal, then the pH is equal to the pKa. The most common use of this equation is to determine what to mix to form a buffer of a given pH. FTP, name this equation from chemistry that states the pH of a buffer is equal to the pKa plus the logarithm of base over acid concentration.

Answer: Henderson-Hasselbach equation

12. Echoing the language from the Northwest Ordinance, it was proposed shortly after the end of the Mexican War. Passing the House 83-64, the bill was axed when the Senate failed to address it before the end of the term. Brought up again in subsequent terms, Abraham Lincoln was said to have voted for it over 40 times. FTP, name this bill proposed by its eponymous Pennsylvania Democrat that banned slavery in any territory taken from Mexico.

ANSWER: Wilmot Proviso

13. The first person to commit suicide is Cheswick, who drowns in the pool after the nurse refuses to increase their cigarette rations. The next is Billy Bibbit, who slashes his throat after being caught with a prostitute named Candy in the Seclusion Room. When Nurse Ratched tries to place the blame for Billy's death on the man who organized the party, McMurphy tries to strangle her and is lobotomized for his trouble. FTP, name this most famous novel of Ken Kesey.

Answer: One Flew Over the Cuckoo's Nest

14. Ones further from the origin indicate higher levels of utility. In many ways, it is the consumer analog to the isoquant. The absolute value of its slope is known as the marginal rate of substitution. When choosing an optimal bundle, it is often found that this is tangent to the budget line. FTP, name this convex curve which connects all possible combinations of two goods that produce the same utility.

Answer: indifference curve

15. The author had his childhood friend and fellow author Harper Lee help with interviews. Detailing an escape to Mexico and the eventual apprehension, trial and execution of murderers Perry Smith and Richard Hickock, this journalistic work deals with the killing of the Clutter family in Kansas. Considered to be the author's masterpiece, FTP, what is this first non-fiction novel, written by Truman Capote?

ANSWER: *In Cold Blood*

16. Civil service was improved; almost all would-be important bureaucrats had to pass a government examination, and literary examinations were reinstated for public office. Although the country made foreign contacts during this time, the most notable art of the period was painting and pottery, specifically enamel-painted ceramics and boccero ware for which this period is famous. FTP name this Chinese dynasty founded by Hung-wu which lasted from 1368 to 1644, sandwiched by the Yuan and Ch'ing dynasties.

Answer: Ming

17. It defined union spending for primaries, conventions, and federal elections as illegal. It gave the employers the power to call an election for a bargaining representative. It required officers of unions that want to use NLRB facilities sign an affidavit saying they are not Communists. These are all provisions of this law, strongly opposed by unions, later amended in 1951 and 1959. The son of a former president and a senator from New Jersey introduced it. FTP, name this amendment to the Wagner Act of 1935.

Answer: Taft – Hartley Act

18. This man's relationship with singer Marianne Faithfull ended after he met Bianca Rosa Perez-Mora, a Nicaraguan model, whom he married in May of 1971. However, seven years later they split due to allegations by Marsha Hunt that this man was the father of her child. His next marriage came in 1990 to Jerry Hall. FTP, identify this big-lipped lead singer from the Rolling Stones.

Answer: Mick Jagger

19. While the bottom half of this canvas is brightly lit from the left, the upper half is dark and empty. The murder weapon, a bloodstained knife, lies almost unnoticed in the lower left corner. The date is set as July 1793 on the letter held in the title character's left hand, while his right hand holding a feather quill dangles over the edge of the bath. FTP, name this 1793 painting by Jacques-Louis David.

Answer: *The Death of Marat*

20. It's name means "house of mists" and after Ragnarok, it will have a hall built for the punishment of murderers, oath breakers, and philanderers. It is the far northern region of icy fog and mists, darkness, and cold, situated on the lowest level of the universe. FTP identify this region where Helheim, as well as Nastrond, or the Shore of Corpses, where Nidhogg gnaws at the roots of Yggdrasil are located.

Answer: Niflheim

21. The novel begins and ends by the sea. The main character seeks something beyond her husband and two children. She meets Mademoiselle Reisz, a pianist whom she admires, has an affair with Alcee Arobin, and falls in love with Robert Lebrun. However, when he refuses her, despite Doctor Mandelet's offer of help, Edna swims out to sea and drowns herself. FTP, name this controversial 1905 work by Kate Chopin.

Answer: *The Awakening*

**STOP HERE**

---

22. Though Moloch argues for war and Mammon and Belial advise "ignoble ease and peaceful sloth," the chosen course of action is not to attack their conquerers but to subvert a third race dear to their enemy. The council at Pandemonium ends when the leader volunteers to carry out the diabolical plan, and the subsequent ten cantos of this poem chronicle his success. The opening lines propose to sing "of Man's first disobedience" and of the loss of Eden in, FTP, what epic poem by John Milton?

Answer: *Paradise Lost*