

**SET F**

1. Executive Order 11130 created the organization that saw 552 witnesses in 6 months, but a 1979 Congressional committee questioned its results. Consisting of 2 private citizens, 2 House members, two Senators, and one certain Supreme Court justice, it began proceedings on November 29, 1963. FTP, name this group which investigated the Dallas shooting of President John F. Kennedy.

ANSWER: The Warren Commission or the President's Commission on the Assassination of President John F. Kennedy

2. They run a jolly little window cleaning business—ring them up at 2143 if you want a bungee-jumping dog to squeegee your windows. One member of the pair spends his spare time inventing bizarre things, like the Knit-o-Matic (just add sheep), while the silent member of the pair spends his spare time trying to keep his master out of trouble. Among their stranger nemeses are included a cyber sheep rustler and a walking pair of pants. FTP, name this British claymation duo.

Answer: Wallace and Gromit

3. The story begins with a description of the ocean and then of the four characters. The cook and the correspondent argue about whether there is a house of refuge or a life-saving station near Mosquito Inlet, but it turns out there isn't anything there at all, and they barely get out to sea again before they capsize. They finally head into shore again under the direction of the injured captain, but when the boat capsizes, Billie drowns in the swim to shore. FTP, name this short story by Stephen Crane.

Answer: The Open Boat

4. He claimed that every science passes through three stages: the theological or fictitious stage, the metaphysical or abstract state, and the scientific or positive state. He correlated the development of sciences with that of politics: the first stage has divine kings, the second has social contracts and equality, and the third involves the "sociological" approach. Secretary for several years to the noted socialist Claude Henri de Rouvroy, comte de Saint-Simon, he invented the word sociology. FTP, name this man, author of *Course of Positive Philosophy*.

Answer: Auguste Comte

5. Although one of the title characters is married to Kulygin, she falls in love with Colonel Vershinin, a complication resolved when the soldiers leave town. Throughout the play the youngest title character keeps repeating that if they can only get to Moscow everything will be all right. On the day Irina is to marry Baron Tusenbach, she is informed that he has been killed in a duel, and the curtain falls the eldest, Olga, wonders if there is a reason for their suffering. FTP, name this play by Anton Chekhov.

Answer: The Three Sisters

6. This principle explains why carbonated beverages tend to rush out of their container when it is first opened. The contents suddenly find themselves at a lower pressure, so the solubility of carbon dioxide gas is reduced. In addition to predicting the effects of temperature and pressure changes, this principle can also predict the direction of a reaction when you change the concentration of reactants or products. FTP, name this principle that states that if a system in equilibrium is disturbed, the equilibrium shifts to counteract the change.

Answer: Le Châtelier's principle

7. The title character leaves Salem at sunset to meet someone in the forest. Having kept his word, he wishes then to turn back, but he sees Goody Cloyse, Deacon Gookin, and the minister traveling deeper into the wood. He calls out desperately for his wife Faith, and one of her pink hair ribbons floats from the sky. Believing her dead, he too runs deeper into the forest to join the witch-meeting. FTP, name this short story by Nathaniel Hawthorne.

Answer: Young Goodman Brown

8. Developed in 1805 by a British naval commander, it was based on the effect on a man-of-war. While the navy adopted it in 1838, in 1874 it was adopted worldwide by the International Meteorological Committee. FTP, name this scale of the force of wind.

ANSWER: Beaufort Scale

9. It was originally expressed as the rate of change of momentum being equal to the net force and in the direction of that force. It is commonly used in introductory physics classes to solve problems like blocks sliding down inclines, things hanging from pulleys, and people riding in elevators. Another numbered law is simply the special case of this law when the net force is zero. This law is now most famously known from the equation  $F$  equals  $m$  times  $a$ . FTP, name this law of mechanics that states that the net force on a body is equal to its mass times its acceleration.

Answer: Newton's second law

10. His earliest work deals with describing the world as it is in the philosophical sense. The first proposition of this work is, "The world is all that is the case," setting the tone. His definition of philosophy was that it aims at the "logical clarification of thought," and he said that his first work was important because thoughts were expressed in it. He is better known for work published after his death, *Philosophical Investigations*. FTP, name this Austrian analytic philosopher.

Answer: Ludwig Josef Johann Wittgenstein

11. Before the conversion of Vishtaspa, he had few followers; afterwards, he gained followers in Vishtapa's kingdom of Chorasmia. Born in Airyana Vaejah, his first converts after hearing from "Lord Wisdom" were mostly his relatives. He recorded his conversations with this god in the Gathas, part of a larger scripture. The tenets of his religion are laid out in the *Zend-Avesta*, in which in described the god Ahura Mazda. FTP, name this founder of a Persian religion.

Answer: Zoroaster (accept Zarathustra)

12. Usually depicted as a sulky old man, or as a winged demon carrying a double hammer, this figure is the son of Erebus and Nyx. Souls are brought to him by Hermes and he only accepts those who have been buried or burned with the proper rites and those who have an obolus under their tongue. Without his passage, souls are doomed to wander the banks of the river Styx instead of crossing into Hades. FTP, identify this ferryman of the dead.

Answer: Charon

13. Ogden Nash wrote poems inspired by parts of this work. A rare use of the xylophone is found imitating the bony Fossils, while the strange Pianists play in a rare use of two pianos with an orchestra. More famous are the march symbolizing the majestic lion, and the beauty of the cello solo, the Swan. FTP, name this symphonic suite written by Camille Saint-Saens.

ANSWER: Carnival of the Animals

14. The scene is a richly decorated room in a palace. In the background, a girl in a white dress with her back to the viewer rummages through a chest beneath a window, while a richly dressed woman bends over her. A dark curtain separates that scene from the central figure, a nude woman reclining on a white sheet spread over a sofa. She holds a bunch of flowers in her right hand. At her feet a dog is curled. FTP, name this painting titled after a Roman goddess by Titian.

Answer: Venus of Urbino

15. Thomas Malthus interpreted this law to mean that humanity would eventually starve, as the amount of agricultural land to produce food is fixed. Despite it being called a law, it is not universal, although it is extremely common. Because of it, most production curves eventually become downward-sloping. FTP, name this law that states that if equal amounts of a variable input are added and all other inputs are held fixed, the resulting increments to output will eventually diminish.

Answer: law of diminishing returns

16. The nonreversible steps in this process require magnesium ions as ligands to stabilize the pyrophosphate intermediate. Aldolase converts a high energy intermediate into DHAP and GAP, while the allosteric regulation sites for Fructose-2,6-bisphosphate, AMP, ADP, and ATP help Phosphofructokinase act as the rate-determining enzyme of this process. FTP, name this process consisting of ten steps, which convert a single glucose into two pyruvate compounds.

ANSWER: Glycolysis

17. While in exile, he tried to drum up support for his cause: the British promised only neutrality, but he found support in Haiti and returned to Venezuela to capture Angostra. After several years of indecisive battling, his surprise victory in the Battle of Boyaca marked the turning point in the course of the revolution against Spain. FTP name this South American revolutionary, nicknamed the "Liberator," who eventually became dictator of Colombia and Peru and for whom Bolivia is named.

Answer: Simon Bolivar

18. The events at Spithead and the Nore are a cause of discussion for the crew of the ship. Squeak, a crewman, is instructed by the antagonist to provoke the protagonist and make him look bad. The old seaman Dansker continually warns the protagonist that he is being provoked. The protagonist does not listen, but when accused directly in front of the captain, the protagonist gets mad and kills Claggart. The protagonist is eventually hanged for killing Claggart. FTP, name the described work, a novel of life at sea by Herman Melville.

Answer: Billy Budd

19. The first president to visit the West Coast and hold an Easter Egg hunt at the White House, he is also a national hero of Paraguay. He backed a sound money policy, offering redemption of greenbacks for gold, while supporting civil service reform in response to the excesses of his predecessor, Ulysses Grant. However, he might be better known as the president who ended the Reconstruction. FTP, name this winner over Samuel Tilden, who became President in 1877.

ANSWER: Rutherford Hayes

20. A monument on its summit commemorates Paul de Strzelecki, who in 1840 became the first to climb it. Overlooking the Victoria plains, traffic access was blocked in 1994. The highest point of the Snowy Mountains, FTP, name this mountain located 30 miles south of Canberra, Australia's tallest mountain.

ANSWER: Mount Kosciusko

21. The battle was saved from being a complete disaster because Hitler ordered General Guderian to halt his army for a few days, giving the Allies time to solidify their defenses. While the French held off the Germans, a combination of large transport vessels and requisitioned private boats under Operation Dynamo braved the Luftwaffe to evacuate more than 350,000 Allied soldiers, saving most of the British army but leaving France almost undefended. FTP, name this 1940 World War II battle that resulted in France's fall to Germany.

Answer: Battle of Dunkirk

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22. We are first introduced to him through narratives of life and camping in the Michigan woods, in stories such as *The Doctor and the Doctor's Wife* and *Indian Camp*, which are collected in *In Our Time*. However, better known are his tales of disenchantment during and after World War I, in stories like *Hills Like White Elephants*, *In Another Country* and *The Killers*, all found in the collection *Men Without Women*. FTP, name the central character of these short stories authored by Ernest Hemingway.

ANSWER: Nick Adams