1. What is the name of the process by which plants convert sunlight into chemical energy?

a. Respiration

b. Fermentation

**c. Photosynthesis**

2. Who was the 16th President of the United States, known for leading the country during the Civil War and delivering the Gettysburg Address?

a. George Washington

b. Thomas Jefferson

**c. Abraham Lincoln**

3. What is the term for the economic system in which the means of production are privately owned and operated for profit, typically characterized by competitive markets?

a. Socialism

b. Communism

**c. Capitalism**

4. Which Shakespearean play features the characters of Oberon, Titania, and Puck, and is set in a magical forest?

a. Hamlet

b. Macbeth

**c. A Midsummer Night’s Dream**

5. What is the name of the theory in physics that describes the fundamental forces and particles in the universe, including the Higgs boson?

a. General Relativity

b. Quantum Mechanics

**[c]. The Standard Model**

6. Who is the author of the epic poem "The Odyssey," which follows the adventures of Odysseus as he returns home from the Trojan War?

a. Virgil

b. Sophocles

**c. Homer**

7. What is the name of the process by which a cell divides into two daughter cells, each containing the same number of chromosomes as the parent cell?

a. Meiosis

b. Binary Fission

**c. Mitosis**

8. Which ancient civilization is known for building the pyramids, developing a system of hieroglyphics, and having a polytheistic religion centered around gods like Ra and Osiris?

a. Mesopotamia

b. Indus Valley

**c. Ancient Egypt**

9. What is the name of the principle in economics that states that the opportunity cost of a good rises as more of it is produced, leading to a concave production possibilities frontier?

a. Law of Supply

b. Law of Demand

**c. Law of Increasing Opportunity Cost**

10. Who was the scientist who formulated the laws of motion and universal gravitation, and wrote the influential work "Mathematical Principles of Natural Philosophy"?

a. Albert Einstein

**b. Isaac Newton**

**c. Isaac Newton 1**