Fundamental Science Quiz

Basic Science · Practice Test · 12 Questions

1. What is the chemical symbol for the element Tungsten?

A) Tg
B) W
C) Tu
D) Tn

2. Which organelle is often referred to as the powerhouse of the cell?

A) Nucleus
B) Ribosome
C) Mitochondrion
D) Golgi apparatus

3. What is the primary gas that makes up the Earth's atmosphere?

A) Oxygen
B) Carbon dioxide
C) Nitrogen
D) Argon

4. In physics, what is the SI unit of power?

A) Joule
B) Watt
C) Newton
D) Volt

5. Which planet in our solar system has the most extensive ring system?

A) Jupiter
B) Saturn
C) Uranus
D) Neptune

6. What is the process by which plants convert light energy into chemical energy?

A) Respiration
B) Transpiration
C) Photosynthesis
D) Fermentation

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7. Which subatomic particle carries a negative electrical charge?

A) Proton
B) Neutron
C) Electron
D) Positron

8. What is the hardest natural substance on Earth?

A) Gold
B) Iron
C) Diamond
D) Quartz

9. Which type of electromagnetic radiation has the longest wavelength?

A) Radio waves
B) X-rays
C) Gamma rays
D) Ultraviolet

10. What is the chemical formula for glucose?

A) $C_6H_{12}O_6$
B) CO_2
C) H_2O
D) CH_4

11. Which part of the human brain is primarily responsible for balance and coordination?

A) Cerebrum
B) Cerebellum
C) Brainstem
D) Hypothalamus

12. What is the term for a substance that increases the rate of a chemical reaction without being consumed?

A) Reactant
B) Catalyst
C) Solvent
D) Isotope

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