

Middle School Basic Science Assessment

Basic Science · Answer Key · 10 Questions

1. Which organelle is often referred to as the powerhouse of the cell due to its role in cellular respiration?

- A) Nucleus
- B) Mitochondria**
- C) Ribosome
- D) Golgi apparatus

2. What is the chemical symbol for the element gold?

- A) Gd
- B) Au**
- C) Ag
- D) Fe

3. In physics, what is the unit of measurement for electric current?

- A) Volt
- B) Watt
- C) Ampere**
- D) Ohm

4. Which type of rock is formed from the cooling and solidification of molten magma or lava?

- A) Sedimentary
- B) Metamorphic
- C) Igneous**
- D) Conglomerate

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

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

6. Which planet in our solar system is known for its prominent ring system made primarily of ice and dust?

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

7. Which state of matter has a definite volume but no definite shape?

- A) Solid
- B) Liquid**
- C) Gas
- D) Plasma

8. What is the primary gas that makes up the majority of Earth's atmosphere?

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

9. In the human body, what is the primary function of red blood cells?

- A) Fighting infections
- B) Transporting oxygen**
- C) Clotting blood
- D) Producing hormones

10. What is the name of the force that opposes motion between two surfaces in contact?

- A) Gravity
- B) Inertia
- C) Friction**
- D) Acceleration