

AzSci Practice Test Questions and Answers

1. Which process is responsible for the formation of sedimentary rocks?

- A) Volcanic activity and lava cooling
- B) Weathering, erosion, deposition, and lithification
- C) Metamorphic transformation under pressure
- D) Crystallization from magma chambers

2. What is the primary function of mitochondria in cellular biology?

- A) Protein synthesis and enzyme production
- B) DNA replication and cell division
- C) ATP production through cellular respiration
- D) Waste removal and detoxification

3. According to Newton's second law of motion, what happens when force is applied to an object?

- A) The object remains at constant velocity
- B) The object accelerates proportionally to the applied force
- C) The object's mass increases with force
- D) The object experiences equal and opposite reaction

4. What is the chemical formula for sulfuric acid?

- A) H₂SO₃
- B) H₂SO₄
- C) HSO₄
- D) H₃SO₄

Answers: 1-B 2-C 3-B 4-B

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