

Name \_\_\_\_\_

## Powerhouses of the Cell: Exploring the Marvels of Mitochondria

### Multiple Choice Questions

1. What is the primary function of mitochondria?
  - a) To store genetic material
  - b) To synthesize proteins
  - c) To generate ATP
  - d) To regulate cell shape
  
2. What is the inner membrane of mitochondria highly folded into?
  - a) Nuclei
  - b) Cristae
  - c) Ribosomes
  - d) Endoplasmic reticulum
  
3. Which process occurs on the inner mitochondrial membrane?
  - a) Protein synthesis
  - b) Cellular respiration
  - c) Photosynthesis
  - d) DNA replication
  
4. What is the molecule that serves as the cell's energy currency?
  - a) DNA
  - b) RNA
  - c) ATP
  - d) Glucose
  
5. Why is understanding mitochondria important in biology?
  - a) To appreciate biodiversity
  - b) To understand the history of evolution
  - c) To grasp the intricacies of cellular energy production
  - d) To explore outer space

