

Name _____

Powerhouses of the Cell: Exploring the Marvels of Mitochondria

Open-Ended Response Questions

1. Describe the structure of mitochondria and explain its significance in cellular respiration.
2. How do dysfunctions in mitochondrial metabolism contribute to diseases?
3. Discuss the significance of mitochondria in the context of the endosymbiotic theory.
4. What are some potential therapeutic strategies for diseases associated with mitochondrial dysfunction?

