

Name _____

The Marvelous World of Mitosis

Open-Ended Response Questions

1. Why is mitosis essential for maintaining the proper function of our body's organs and tissues?
2. What are the key events that occur in metaphase and anaphase during mitosis, and how do they differ?
3. How does asexual reproduction differ from sexual reproduction in terms of genetic diversity, and what role does mitosis play in asexual reproduction?
4. What would be the consequences if cytokinesis did not occur after mitosis, and how would this affect the resulting cell?

