

Name _____

The Marvelous Stages of Mitosis: A Cellular Ballet

Open-Ended Response Questions

1. Compare and contrast the processes of mitosis and meiosis, highlighting their key differences and purposes.
2. Imagine if a cell skipped the metaphase stage of mitosis. What might happen during the later stages of cell division, and how could it affect the resulting daughter cells?
3. Discuss a real-life situation where mitosis plays a critical role in the healing and recovery of an organism.
4. How might advances in our understanding of mitosis benefit fields like medicine and regenerative biology?

