Name _____

The Magical Dance of Meiosis: Creating Life in a Unique Way

Open-Ended Response Questions

1. Imagine a world where meiosis didn't exist. How might this affect the diversity of life on Earth?

2. Compare and contrast the roles of meiosis and mitosis in the human body. Provide examples of where each process occurs.

3. Discuss a real-life situation where genetic diversity resulting from meiosis could be advantageous for a species.

4. How might advances in genetic engineering and technology impact our understanding of meiosis and its applications in the future?

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