

Name \_\_\_\_\_

## Chromosome Duplication and Segregation in Mitosis: The Dance of Cell Division

### Short Answer

1. Describe the process of chromosome duplication and its significance in mitosis.
2. Explain why chromosome segregation is a critical step in mitosis.
3. How does cytokinesis relate to the overall process of mitosis?
4. What happens during the anaphase stage of mitosis, and why is it important?
5. How does mitosis contribute to tissue maintenance and repair in an organism?

