

Name \_\_\_\_\_

## The Wonderful World of Genetic Diversity: Meiosis Unveiled

### Short Answer

1. Describe the significance of crossing over during meiosis.
2. Explain why genetic diversity is essential for a species to adapt to changing environments.
3. What happens during the second round of meiosis, and how does it contribute to genetic diversity?
4. How can genetic diversity within a population make it more challenging for diseases to spread?
5. Why is genetic diversity important for the evolution of species over time?

