

Name: _____

Magnetic Meiosis Models Worksheet

Observations

Sketch the stages demonstrated for both Meiosis I & II below.

Discussion Questions

1. What is the purpose of meiosis?
2. In what respect is meiosis II similar to mitosis?
3. Critical-thinking question: Compare and contrast mitosis/meiosis. Prophase I of meiosis is different in one key respect from the events of prophase during mitosis. Explain this difference and how the daughter cells obtained during mitosis vs. meiosis are different as a result.
4. Why would it be ineffective for sister chromatids to engage in crossing over?
5. Which two events occurring during meiosis contribute to genetic variation?