

SECTION 3 - 3

REVIEW AND REINFORCE

The Cell and Inheritance

◆ Understanding Main Ideas

Complete the table below by filling in the spaces with the correct stage of meiosis—Beginning, Meiosis I, Meiosis II, End.

Event	Stage in Meiosis
The double-stranded chromosomes move to the center of the cell and separate.	1. _____
The chromosome pairs separate.	2. _____
Four sex cells form with half the number of chromosome as the parental cells.	3. _____
The chromosomes are copied.	4. _____
The centromeres divide and separate.	5. _____

3

Answer the following questions in the spaces provided.

6. What is the chromosome theory of inheritance?

7. Why is it important that sex cells have half the number of chromosomes as body cells?

◆ Building Vocabulary

Fill in the blank to complete the statement.

8. The process by which the number of chromosomes is reduced by half to form sex cells is called _____.