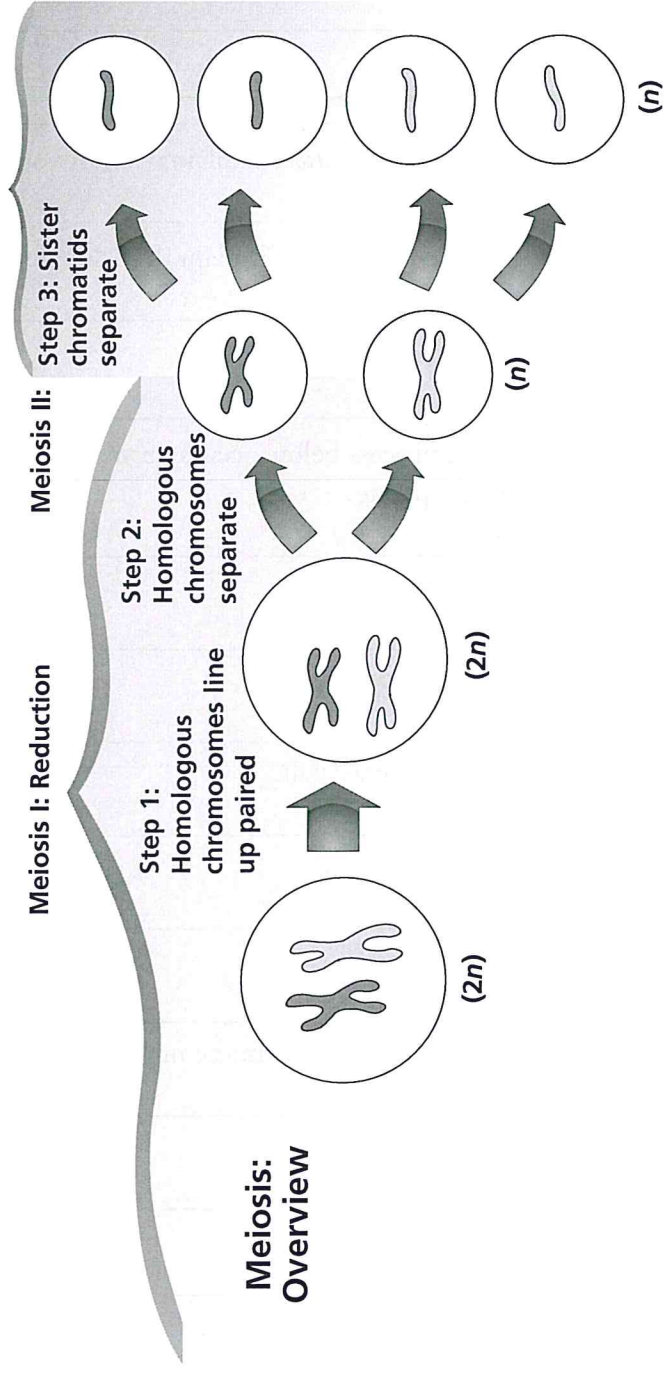
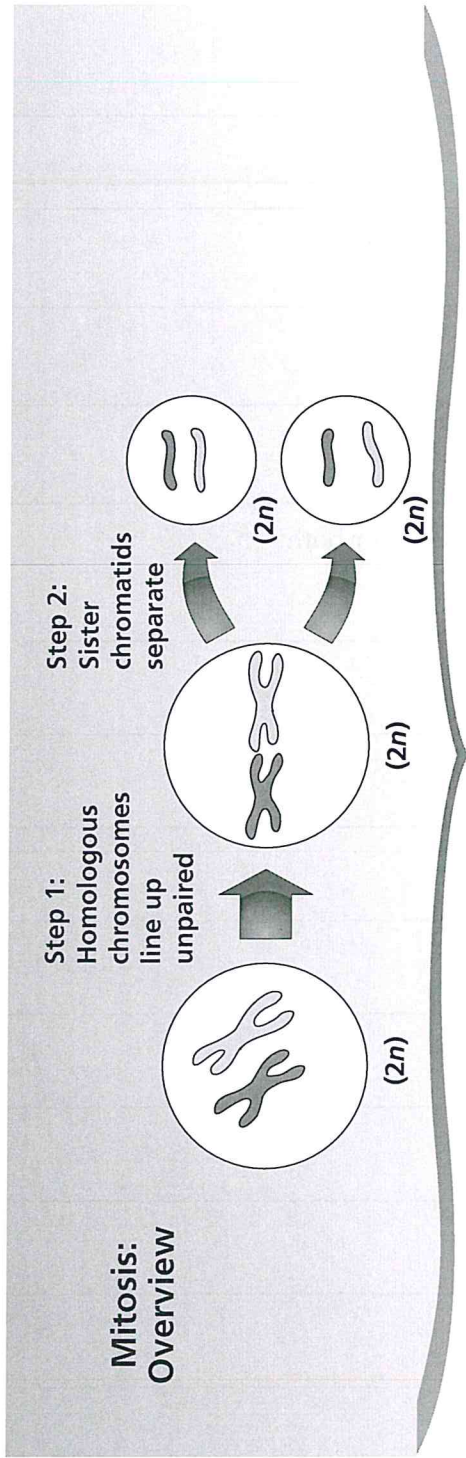


**Master  
17**

**Mitosis Versus Meiosis**

**Reteaching Skills**

Use with Chapter 10, Section 10.2



## Worksheet

## 17

## Mitosis Versus Meiosis

## Reteaching Skills

Use with Chapter 10, Section 10.2

1. Define these terms.
  - a. homologous chromosomes  
\_\_\_\_\_
  - b. sister chromatids  
\_\_\_\_\_
2. Mitosis is a process of *cell replication*. Explain what this statement means.  
\_\_\_\_\_
3. Meiosis is a process of *cell reduction*. Explain this statement.  
\_\_\_\_\_
4. Which part of meiosis is similar to mitosis?  
\_\_\_\_\_
5. Identify whether each process below occurs during mitosis, meiosis, or both.
  - a. Sister chromatids separate.  
\_\_\_\_\_
  - b. Haploid cells are formed.  
\_\_\_\_\_
  - c. Cell division occurs once.  
\_\_\_\_\_
  - d. Homologous chromosomes pair.  
\_\_\_\_\_
  - e. Four cells are the final result.  
\_\_\_\_\_
  - f. Cell division occurs twice.  
\_\_\_\_\_
  - g. Replicated chromosomes line up in the middle of the spindle.  
\_\_\_\_\_
  - h. Two cells are the final result.  
\_\_\_\_\_
  - i. Diploid cells are formed.  
\_\_\_\_\_
6. Define crossing over. When does it occur?  
\_\_\_\_\_  
\_\_\_\_\_