

## Chapter

**7 A View of the Cell****Reinforcement and Study Guide****Section 7.1 The Discovery of Cells**

*In your textbook, read about the history of the cell theory.*

For each statement in Column A, write the letter of the matching item in Column B.

**Column A****Column B**

- |       |   |                              |
|-------|---|------------------------------|
| _____ | 1. The first scientist to describe living cells as seen through a simple microscope           | a. Schleiden                 |
| _____ | 2. Uses two or more glass lenses to magnify either living cells or prepared slides            | b. compound light microscope |
| _____ | 3. A scientist who observed that cork was composed of tiny, hollow boxes that he called cells | c. electron microscope       |
| _____ | 4. A scientist who concluded that all plants are composed of cells                            | d. Schwann                   |
| _____ | 5. A scientist who concluded that all animals are composed of cells                           | e. Hooke                     |
| _____ | 6. The microscope that allowed scientists to view molecules                                   | f. Leeuwenhoek               |

*In your textbook, read about the two basic cell types.*

Complete the table by checking the correct column for each statement.

Statement	Prokaryotes	Eukaryotes
7. Organisms that have cells lacking internal membrane-bound structures		
8. Do not have a nucleus		
9. Are either single-celled or made up of many cells		
10. Generally are single-celled organisms		
11. Organisms that have cells containing organelles		