

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		