

Name _____

Hour _____

Section 7-1 Review
Life is Cellular

Completion

1. All _____ are composed of cells.
2. Cells are units of _____ and _____ in all organisms.
3. New cells are produced from _____.
4. The cells of eukaryotes have a(an) _____; the cells of _____ do not.
5. Eukaryotic cells also have a variety of specialized structures called _____.

Matching

- | | |
|---|------------------------------|
| _____ 6. The first scientist to describe living cells as seen through a simple microscope | a. Schleiden |
| _____ 7. Uses two or more glass lenses to magnify either living cells or prepared slides | b. compound light microscope |
| _____ 8. A scientist who observed that cork was composed of tiny, hollow boxes that he called cells | c. electron microscope |
| _____ 9. A scientist who concluded that all plants are composed of cells | d. Schwann |
| _____ 10. A scientist who concluded that all animals are composed of cells | e. Hooke |
| _____ 11. The microscope that allowed scientists to view molecules. | f. Leeuwenhoek |

Key Concepts

12. What structures do all cells have?

13. What three statements describe the cell theory?

A.

B.

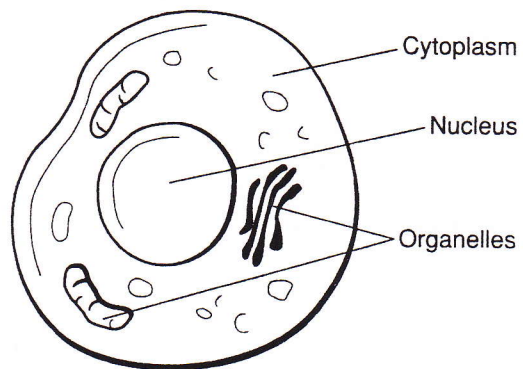
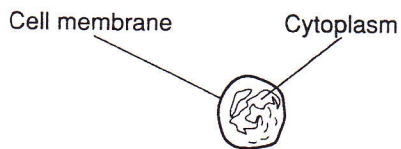
C.

14-15. Are human cells prokaryotic or eukaryotic? Explain your answer.

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

	Statement	Prokaryotes	Eukaryotes
16.	Organisms with a cell that lacks internal membrane-bound structures		
17.	Do not have a true nucleus		
18.	Are either single-celled or made up of many cells		
19.	Most are single-celled organisms		
20.	Organisms that have cells containing organelles		

Classifying On the lines provided, label each cell as either prokaryotic or eukaryotic.



21. _____ 22. _____