

Name \_\_\_\_\_  
Hour \_\_\_\_\_

Section 7-1 Review  
Life is Cellular

Completion

1. All \_\_\_\_\_ are composed of cells. (pg. 170)
2. Cells are units of \_\_\_\_\_ and \_\_\_\_\_ in all organisms. (pg. 170)
3. New cells are produced from \_\_\_\_\_. (pg. 170)
4. The cells of eukaryotes have a(an) \_\_\_\_\_; the cells of \_\_\_\_\_ do not. (pg. 173)
5. Eukaryotic cells also have a variety of specialized structures called \_\_\_\_\_. (pg. 173)

Matching

- |   |  |
|---|--|
| _____ 6. The first scientist to describe living cells as seen through a simple microscope           | a. Schleiden (pg. 170)                 |
| _____ 7. Uses two or more glass lenses to magnify either living cells or prepared slides            | b. compound light microscope (pg. 169) |
| _____ 8. A scientist who observed that cork was composed of tiny, hollow boxes that he called cells | c. electron microscope (pg. 171)       |
| _____ 9. A scientist who concluded that all plants are composed of cells                            | d. Schwann (pg. 170)                   |
| _____ 10. A scientist who concluded that all animals are composed of cells                          | e. Hooke (pg. 169)                     |
| _____ 11. The microscope that allowed scientists to view molecules.                                 | f. Leeuwenhoek (pg. 169)               |

Key Concepts

12. What structures do all cells have? (pg. 172)

13. What three statements describe the cell theory? (pg. 170)

A.

B.

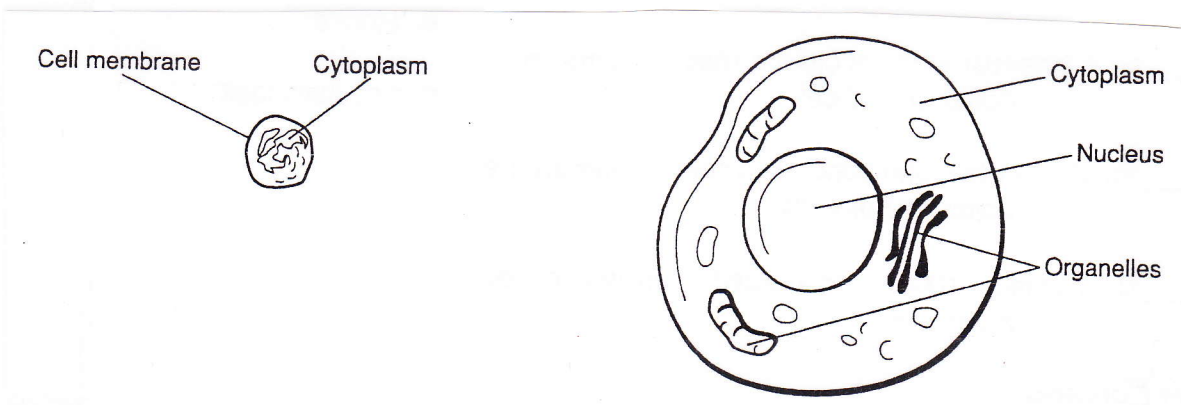
C.

14-15. Are human cells prokaryotic or eukaryotic? Explain your answer. (pg. 172-173)

Complete the table by checking the correct column for each statement. (pg. 173)

	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. \_\_\_\_\_