

Chapter 7 Cell Structure and Function **Section Review 7-1**

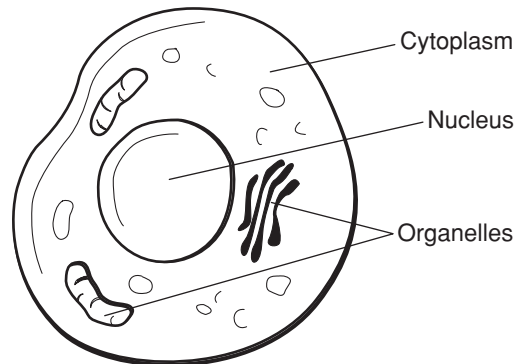
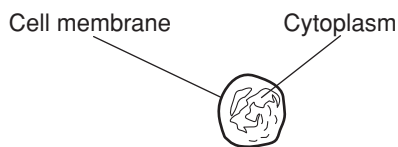
Reviewing Key Concepts

Completion *On the lines provided, complete the following sentences.*

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

Reviewing Key Skills

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



6. _____ 7. _____

8. **Calculating** The smallest bacterium is 0.2 micrometers across, while the giant amoeba *Chaos chaos* is 1000 micrometers across. How many times larger is the giant amoeba than the smallest bacterium?

9. **Comparing and Contrasting** Explain the similarities and differences between a prokaryotic cell and a eukaryotic cell.

10. **Applying Concepts** Are human cells prokaryotic or eukaryotic? Explain your answer.
