

Read Chapter 7 (pages 169-173) and complete the following questions.

Introduction (page 169)

1. What is the structure that makes up every living thing? _____

The Discovery of the Cell (pages 169-170)

2. What was Anton van Leeuwenhoek one of the first to see in the 1600s?

3. What did a thin slice of cork seem like to Robert Hooke when he observed it through a microscope?

4. What did the German botanist Matthias Schleiden conclude?

5. What did the German biologist Theodor Schwann conclude?

6. How did Rudolph Virchow summarize his years of work?

7. What are the three concepts that make up the cell theory?

a.

b.

c.



Exploring the Cell (pages 170-172)

8. Why are electron microscopes capable of revealing details much smaller than those seen through light microscopes?

Prokaryotes and Eukaryotes (pages 172-172)

9. Are all eukaryotes large, multicellular organisms? Explain.

10. Write two true facts about prokaryotes.

a.

b.