

Chapter 3 Study Guide

Section 3.1 Cell Theory

Key Concept: Cells are the basic unit of life.

Vocabulary

cell theory

cytoplasm

organelle

prokaryotic cell

eukaryotic cell

Main Idea: Early studies led to the development of the cell theory.

For questions 1–5, briefly describe what each of the following scientists did to help develop the cell theory.

1. Hooke:
2. Leeuwenhoek:
3. Schleiden:
4. Schwann:
5. Virchow:
6. What are the three parts of the cell theory?
7. Give two reasons why the cell theory is important.

Main Idea: Prokaryotic cells lack a nucleus and most internal structures of eukaryotic cells.

8. List the characteristics of eukaryotic cells.
9. List the characteristics of prokaryotic cells.
10. List the characteristics that both kinds of cells—eukaryotic and prokaryotic—have in common.

Vocabulary Check

11. What is cytoplasm?
12. Where do you find organelles?

Section 3 1 Cell Theory Study Guide

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Study Guide for Use with Biology for the Informed Citizen Sharon Gilman, 2014-01-14 Designed to work with Biology for the Informed Citizen by Donna M Bozzone and Douglas S Green this Study Guide provides students with brief summaries and step by step analyses of each chapter additional review questions and thoughtful advice and study tips The Study Guide is authored by Sharon Gilman who is also the author of the book s test item file a resource for instructors that includes over 1200 questions for easy student evaluation

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