

## 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

**S Marginson**



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web what events happen in the story that threaten ranita s plan for becoming a princess again felipe runs off after making his promise next she almost gets caught and cooked felipe refuses to let the frog eat off his plate and to sleep next to a frog then he refuses to kiss the frog at the end of the story felipe is turned into a frog

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bumbling someone who makes mistakes or is clumsy cranky irritated easily commotion when there is great noise and activity  
exasperated when you have no patience and are annoyed

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tempered bumbling moving unsteadily selfish thinking of only oneself exasperated annoyed greatly made angry famished  
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characters how do you know this story is a play and a fairy tale the characters have lines there are scenes and the animal can  
talk how is felipe similar to ranita before she was turned into a frog

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