

SECTION | THE CELL IS THE BASIC UNIT OF LIVING THINGS.

**1.1 Reinforcing Key Concepts****BIG IDEA** All living things are made up of cells.**KEY CONCEPT** The cell is the basic unit of living things.

- 1. Living things are different from nonliving things.** All living things have certain characteristics. Write one characteristic and two examples in the table below.

Characteristic	Plant	Bird

- 2. All living things are made of cells.** Some living things are just a single cell, and others are made up of many cells. How can an organism that is only one cell be considered a living thing?

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- 3. The microscope led to the discovery of cells.** Most cells are too small to see without the aid of a microscope. Who is credited with the discovery of cells? Why were they named cells?

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- 4. Cells come from other cells.** Complete the three points of the cell theory below.

1. All living things are made of one or more cells.

2. \_\_\_\_\_

3. \_\_\_\_\_

- 5. The cell theory is important to the study of biology.** Draw the last step of Louis Pasteur's experiment. Explain your drawing and why it helps to prove the cell theory.

1 Broth is boiled to destroy any living bacteria, and the flask is sealed.

2 The end of the flask is broken to expose the broth to the air. The broth is clear.

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