

THE **Big** IDEA

Integrating Chemistry

Chapter 2 How are elements and compounds part of living things?

Lesson Review

Refer to the article, call outs, and Figure 2-31 on pages 58 and 59 of your text to answer the following questions.

1. What is an element? _____

2. What elements are needed for photosynthesis in a plant cell? _____

3. What are the products of cellular respiration? _____

4. What is the chemical formula for glucose? _____

Skill Challenge

Skills: *analyzing, inferring*

Complete the following.

1. What would happen if a cell did not receive glucose and oxygen? _____

2. What would happen if molecules could not pass through the cell membrane? _____

3. Why are ribosomes called protein factories? _____

4. Why are photosynthesis and cellular respiration sometimes referred to as opposite processes? _____

Science Log Writing Activity

Complete the Science Log on a separate sheet of paper.