

Section Review

The Organization of Living Things

USING KEY TERMS

1. Use each of the following terms in a separate sentence: *tissue*, *organ*, and *function*.

UNDERSTANDING KEY IDEAS

- _____ 2. What are the four levels of organization in living things?
- a. cell, multicellular, organ, organ system
 - b. single cell, multicellular, tissue, organ
 - c. larger size, longer life, specialized cells, organs
 - d. cell, tissue, organ, organ system

MATH SKILLS

3. One multicellular organism is a cube. Each of its sides is 3 cm long. Each of its cells is 1 cm^3 . How many cells does it have? If each side doubles in length, how many cells will it then have? Show your work below.

CRITICAL THINKING

4. **Applying Concepts** Explain the relationship between structure and function. Use alveoli as an example. Be sure to include more than one level of organization.

Section Review *continued*

5. **Making Inferences** Why can multicellular organisms be more complex than single-cell organisms? Use the three advantages of being multicellular to help explain your answer.
