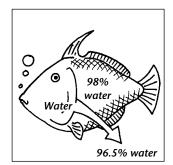
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Cell Structure and Function • Review and Reinforce

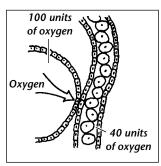
## The Cell in Its Environment

## **Understanding Main Ideas**

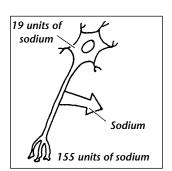
Fill in the blank to identify the process illustrated in each of the following figures.



Water moves out of the cells of a saltwater fish and into the ocean.



Oxygen moves from the lungs into the bloodstream.



Sodium is pumped out of a nerve cell.

1. \_\_\_\_\_

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

3.

Answer the following questions on a separate sheet of paper.

- 4. Explain how osmosis differs from diffusion.
- **5.** Compare and contrast active and passive transport.
- **6.** Identify two methods of active transport.
- 7. State one reason that cells are small.

## **Building Vocabulary**

If the statement is true, write true. If the statement is false, change the underlined word or words to make the statement true.

- 8. <u>Selectively permeable</u> means letting some but not all substances pass through.
  - **9.** Osmosis is the process by which molecules tend to move from an area of higher concentration to an area of lower concentration.
  - \_\_\_ **10.** The process by which water moves across a selectively permeable membrane is called <u>diffusion</u>.
  - **11.** Diffusion and osmosis are types of <u>active transport</u>.
  - **12.** Passive transport requires the cell's own energy.