

**The Nervous System** ▪ 15.1 Review and Reinforce

# How the Nervous System Works

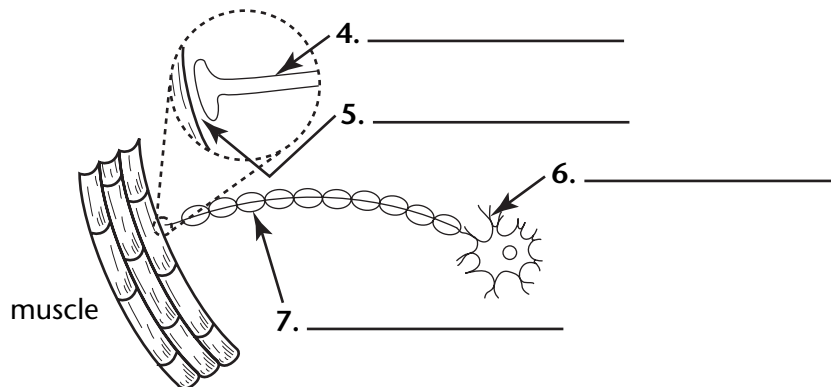
## Understanding Main Ideas

Answer the following questions on a separate sheet of paper.

1. What are three main functions of the nervous system? Give an example of each.
2. What are the three kinds of neurons? How do they work together to produce a response to an environmental stimulus? Use an example in your explanation.
3. How does a message travel across the gap at a synapse?

## Building Vocabulary

Label the diagram below with the axon, axon tip, dendrite, and synapse.



Fill in the blank to complete each statement.

8. A(n) \_\_\_\_\_ is what your body does in reaction to a stimulus.
9. A bundle of nerve fibers is called a(n) \_\_\_\_\_.
10. The message that a neuron carries is called a(n) \_\_\_\_\_.
11. Any change or signal in the environment that can make an organism react is a(n) \_\_\_\_\_.
12. A cell that carries information through your nervous system is called a(n) \_\_\_\_\_.