

|                  |   |
|------------------|---|
| <b>Chapter 7</b> | ☆ Nervous system  |
| <b>Section 1</b> | ☆ Structure of the nervous system   |
| <b>Main Idea</b> | ☆ Neurons conduct electrical impulses that allow cells, tissues, and organs to detect and respond to stimuli. |
| <b>Objective</b> | ☆ list the major parts of a neuron and the function of each part  |

Choose a word from help box and fill in the blanks:

|  |   |
|--|---|
|  | Received impulses from other neurons and conduct the impulses to the cell body    |
|  | Carries the nerve impulse from the cell body to other neurons and muscles         |
|  | The nucleus of the neuron and many of the cell organelles.                        |
|  | Some axons are covered by a myelin sheath that increases the speed of an impulse. |
|  | Connected the neuron to the dendrites of other neurons or to other cells          |

**Axon ending**

**Dendrites**

**Axon**

**Cell Body**

**Myelin Sheath**

