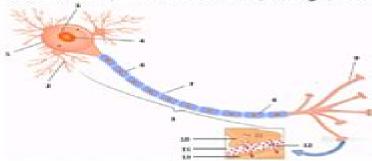
Nervous System Study Guide

- Identify the main function of the nervous system. —To control the body's activities by relaying messages
- Identify the main divisions of the nervous system and list the body parts included in each division.
 - a) central nervous system = brain and spinal cord
 - b) peripheral nervous system = nerves
- Label the main parts of the neuron (dendrites, cell body, nucleus, axon, axon tips).



- 4. List the function of each part of a neuron.
 - a) dendrites—carry a nerve impulse to the cell body
 - b) cell body—contains the nucleus
 - c) nucleus-control center of the cell
 - d) axon-carry a nerve impulse away from the cell body
 - e) axon tips-release the nerve impulse
- Describe how two neurons are <u>always</u> joined. (____end to ____end).

 Neurons are always joined axon end to dendrite end.
- 6 Identify what a synapse is and how two joined neurons overcome a synapse. A synapse is the gap between two neurons. The nerve impulse travels as an electrical impulse through the neuron. However, the nerve impulse becomes a chemical impulse as it travels across the synapse.
- What is membrane potential?
 Membrane potential is the electrical charge that exits on the membranes of every cell.

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S Ben Porath

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