

Name and Block: _____

This problem set covers the key ideas and concepts concerning neurons. Answer each of the following neatly in the space provided using the textbook readings, posted videos, and/or other sources to support your answers.

1. What is the term neuroscientists use for the basic unit of our nervous systems?

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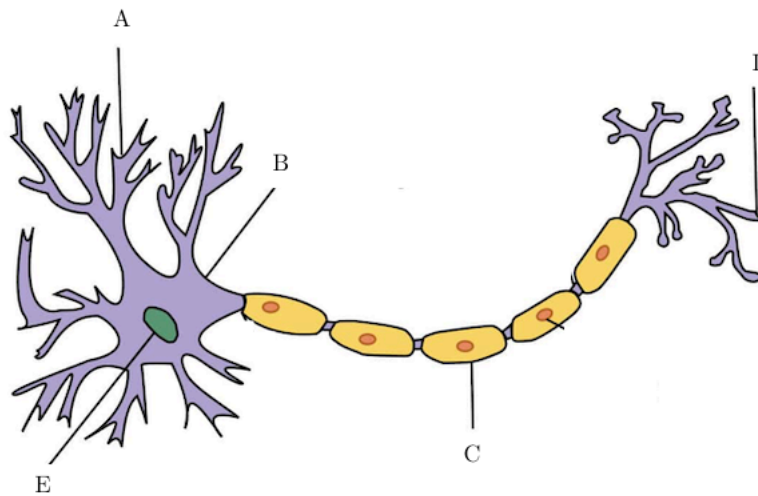
2. Describe the difference between **neurons** and **glia**.

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3. Approximately how many neurons does the human brain contain?

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4. Label the parts of a typical neuron as shown in the diagram below.



5. Describe the main function of each of these parts of a neuron:

(a) The soma

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(b) Axons

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(c) Axon terminals

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(d) Myelin sheath

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(e) Dendrites

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6. Describe the two main ways that neurons transfer messages from one to another.

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7. Make a sketch showing how one neuron communicates with a neighboring neuron using a neurotransmitter.

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