Candy Neurons

*With a partner, you will be constructing a neuron. All of the following parts must be included in your neuron:*

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| **Part of the Neuron** | **Candy** | **Function** |
| Axon |  |  |
| Axon Terminals |  |  |
| Myelin Sheath |  |  |
| Nucleus |  |  |
| Dendrites |  |  |
| Cell body (Soma) |  |  |
| Neurotransmitters |  |  |
| Axon Hillock |  |  |

Draw a picture of the neuron (*with direction of a signal indicated*):

***(must have candy neuron checked by me BEFORE DRAWING)***

Draw a picture of the neuron (*with direction of a signal indicated*) communicating with another nerve cell:

**Analysis:**

1. What is the function of a neuron (nerve cell).
2. Explain how the structure of a nerve cell supports its function.
3. Identify the 3 structural classifications of neurons, describe their structures, and state the primary functions.

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| **Structural Classification** | **Structure** | **Function** |
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