

The "Candy" Neuron

Today you will be creating a neuron made completely of candy. It is important that the each type of candy represents one part of the neuron. Follow the instructions below to ensure you create a neuron that is assembled correctly.

Task:

1. Create **ONE SENSORY CANDY NEURON and ONE MOTOR CANDY NEURON**. Each of the neurons should include all of the parts listed below.
 - a. Cell Body (Peppermint Patties or something round)
 - b. Dendrites (Pull Apart Twizzlers)
 - c. Myelin Sheath (Pull Apart Twizzlers or Mike and Ike's)
 - d. Axon (Pull Apart Twizzlers)
 - e. Terminal Branches (Pull Apart Twizzlers)
 - f. Neurotransmitters (Nerds)

You should also have on your paper the following and correctly positioned:

 - g. Muscle (which neuron does this connect to and where)
 - h. Skin (which neuron does this connect to and where)
 - i. Spinal Cord (how do the sensory and motor neurons connect to this)
 - j. Interneurons (where are these located and what do they do)
 - k. Brain (what is located inside and how does this relate to the sensory, motor, and interneurons)
2. Label and define each of the terms listed above. They should be clearly labeled and defined on your paper.
3. Create a scenario that involves the sensory, motor, interneurons, and brain. The scenario can be a sentence or two. You should include the direction of the neuron on your poster.

Example: When your finger touches a flame a sensory neuron is being sent to your brain. Your brain then sends a motor neuron to your muscle telling it to pull away from the flame. You would then draw arrows in the appropriate directions of the neurons.

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