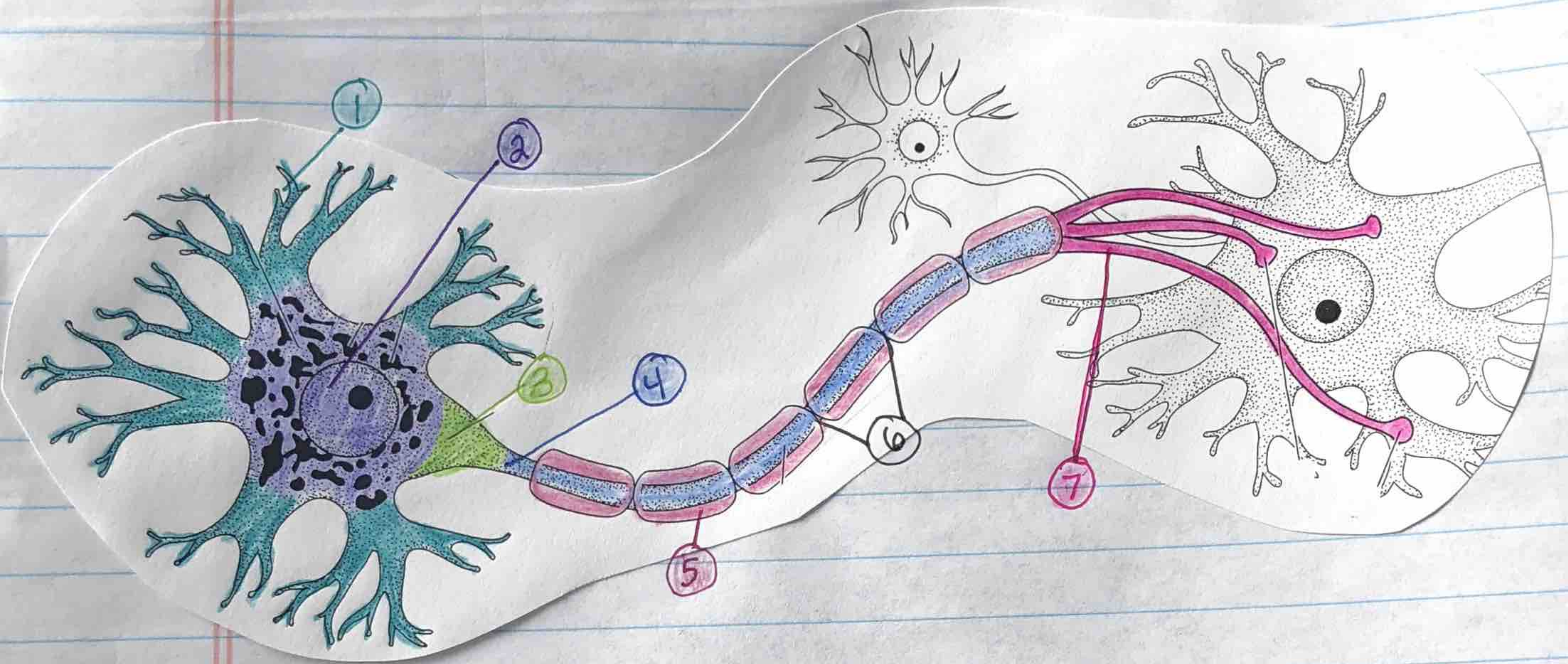


## Neurons

Neurons - longest lived cells in your body, they are irreplaceable, use a large amount of your body's energy (25% of your calories)



1. Dendrites: receives messages from other cells
2. Cell body / Nucleus: controls the cell and contains organelles
3. Axon hillock: where axon potential occurs
4. Axon: generates and sends the impulse
5. Myelin Sheath: covers the axon, helps speed the impulse
6. Nodes of Ranvier: junctions between the myelin sheath on the axon, allows ions to pass in/out of the axon
7. Axon Terminal / Terminal Buttons: release neurotransmitters into the synapse (space between neurons)

Depending on the location and function of a neuron it may look or be organized differently.

