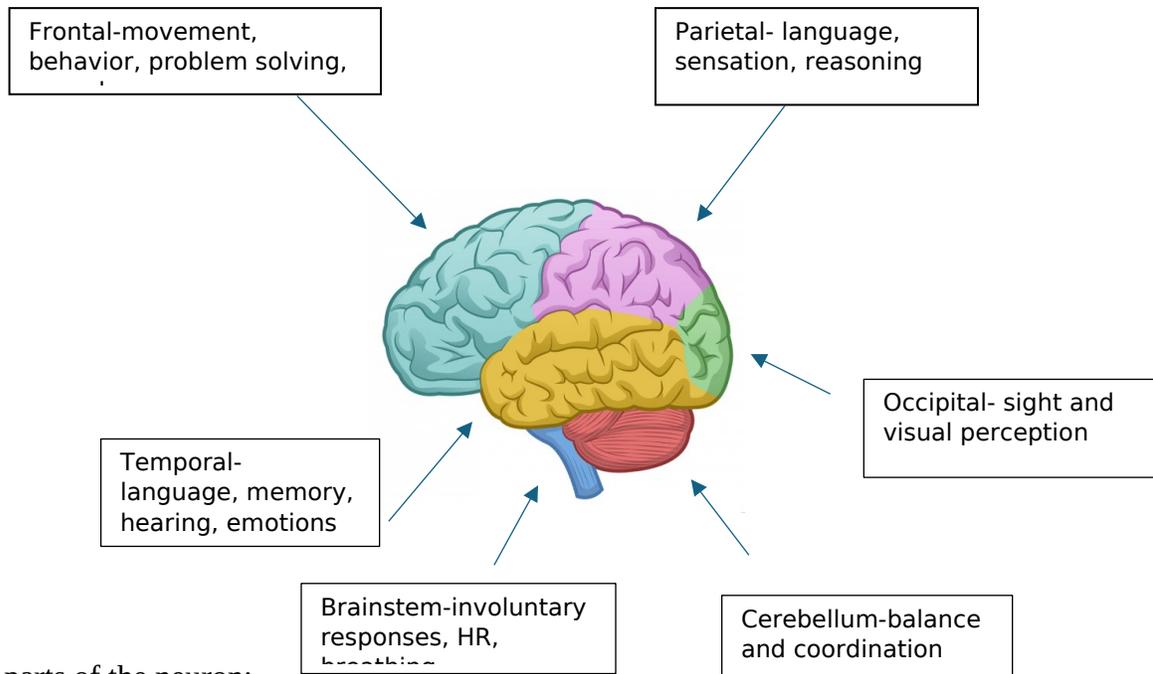


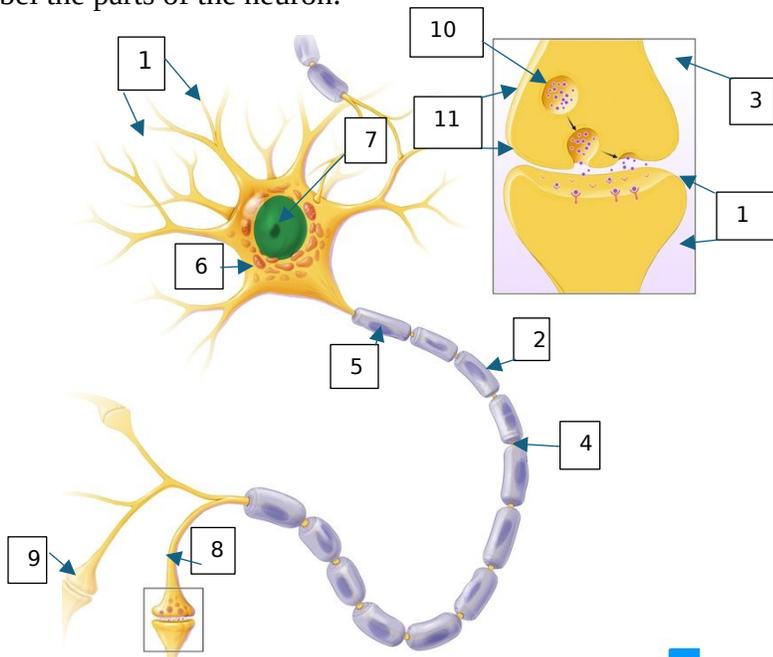
## Neurosensory Unit Part 1: A&P

### Class Preparation

A. Label the parts of the brain and identify the function of each part.



B. Label the parts of the neuron:



1. Dendrites
2. Myelin sheath
3. Axon terminal
4. Node of Ranvier
5. Schwann's cells
6. Cell body
7. Nucleus
8. Axon terminals
9. Synapse
10. Chemical Signals (neurotransmitters)
11. pre-synaptic ("sending") cell
12. post-synaptic ("receiving") cell

C. Describe nerve impulse conduction, including action potential and neurotransmitters.

The neuron is stimulated, and membrane potential becomes depolarized, if it reaches the threshold, the gate will open and release sodium. Concentration gradient will send the sodium to the neuron which triggers the action potential. Hyperpolarization can occur. When action potential hits the axon terminals, the neurotransmitters will release and go to transmit the signals to the next neuron.