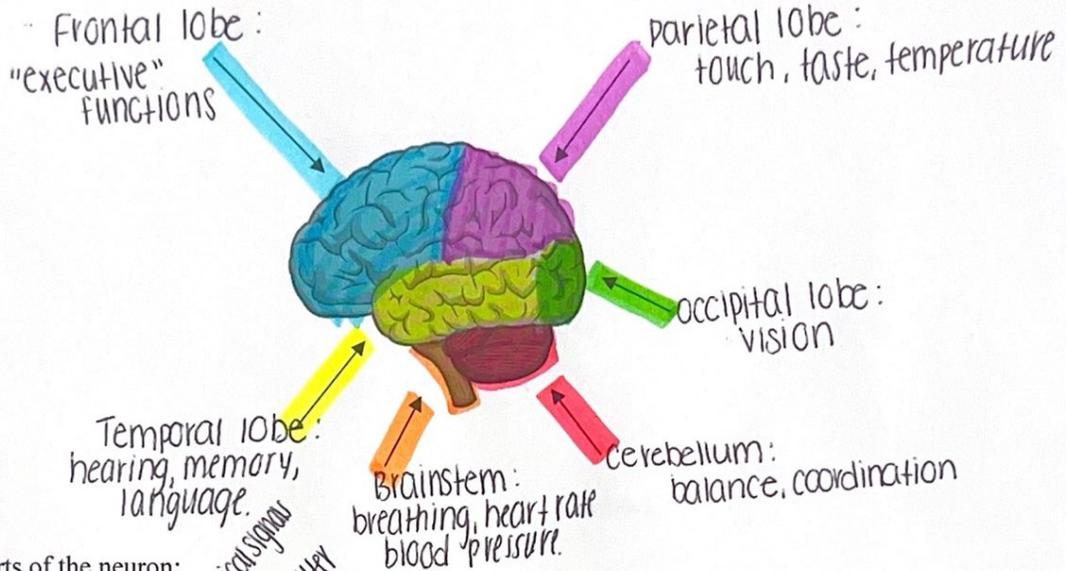


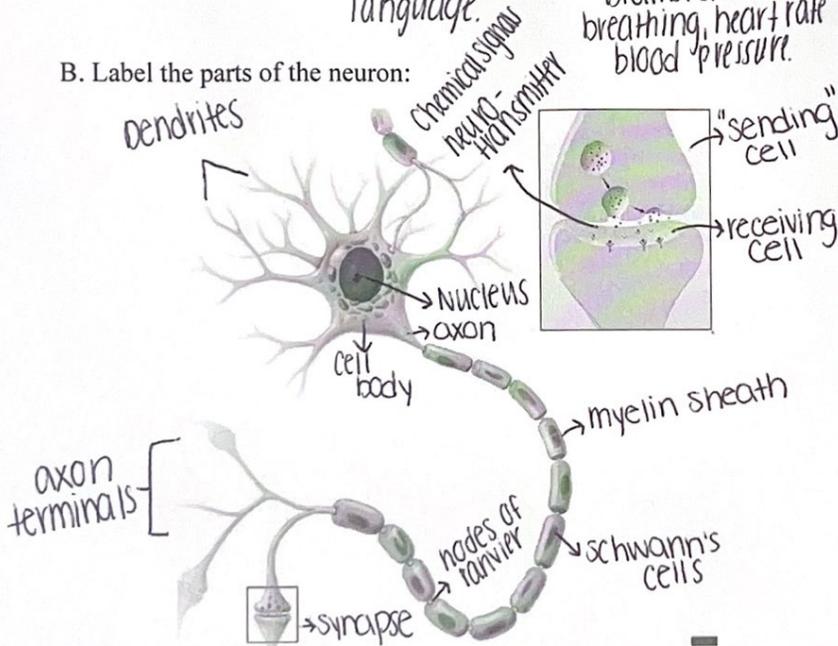
Courtney David

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.

Nerve impulse conduction travels by electrical transmission along the axon and chemical transmission between neurons until the impulse reaches the destination.

The action potential is the electrical impulse that travels along the axon by depolarizing + repolarizing the length of the axon.

Neurotransmitters are chemicals involved in the transmission of an impulse across the synaptic cleft to the receiving neuron.