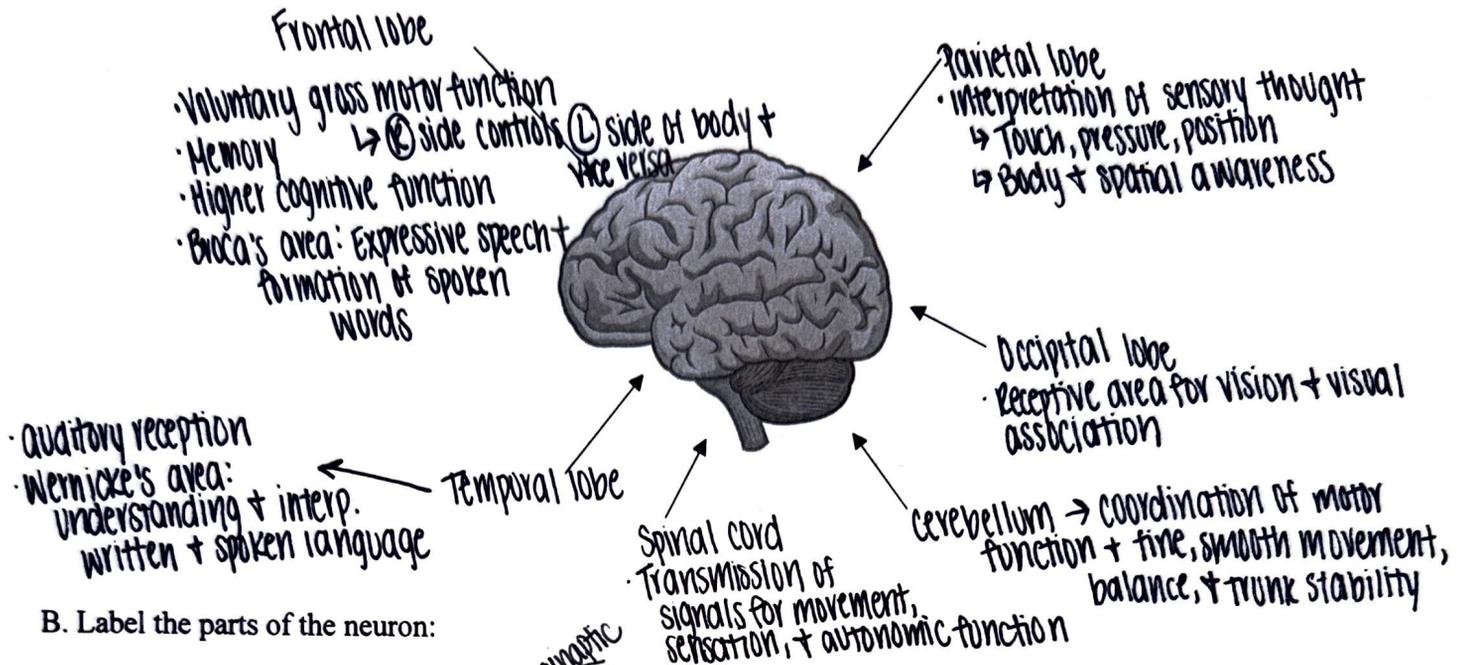


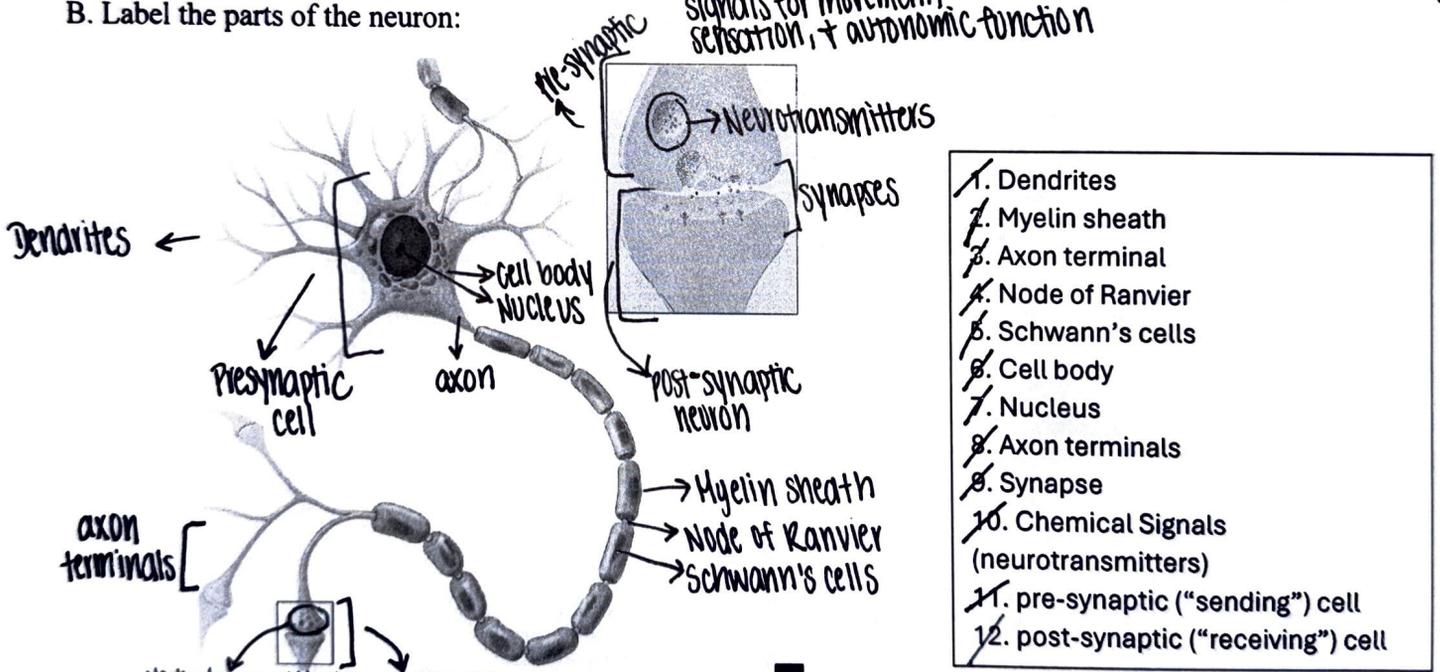
Neurosensory Unit Part 1: A&P

Class Preparation

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



B. Label the parts of the neuron:



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

↳ Travels by electrical transmission along axon + chemical transmission between neurons until impulse reaches its destination

Electrical impulse: Result of K^+ + Na^+ ions moving in + out of the cells along the length of the axon
Action potentials: electrical impulse that travels along the axon by depolarizing + repolarizing the length of the axon is an AP - doing the WAVE

↳ Impulse reaches the end of the nerve fiber + is then transmitted across the junction between synapse
 ↳ Chemical interaction generates another AP in the next neuron
 ↳ Process is repeated until impulse reaches its destination

Saltatory cond: AP jumps from 1 NOR to the next, resulting in ↑ nerve velocity + conserved energy
 ↳ Na^+ + K^+ ions are only required to move in + out of the cells @ the nodes

Neurotransmitters (i.e. acetylcholine, serotonin, Norepi., + dopamine) chemicals involved in the transmission of an impulse across the synaptic cleft to the receiving neuron