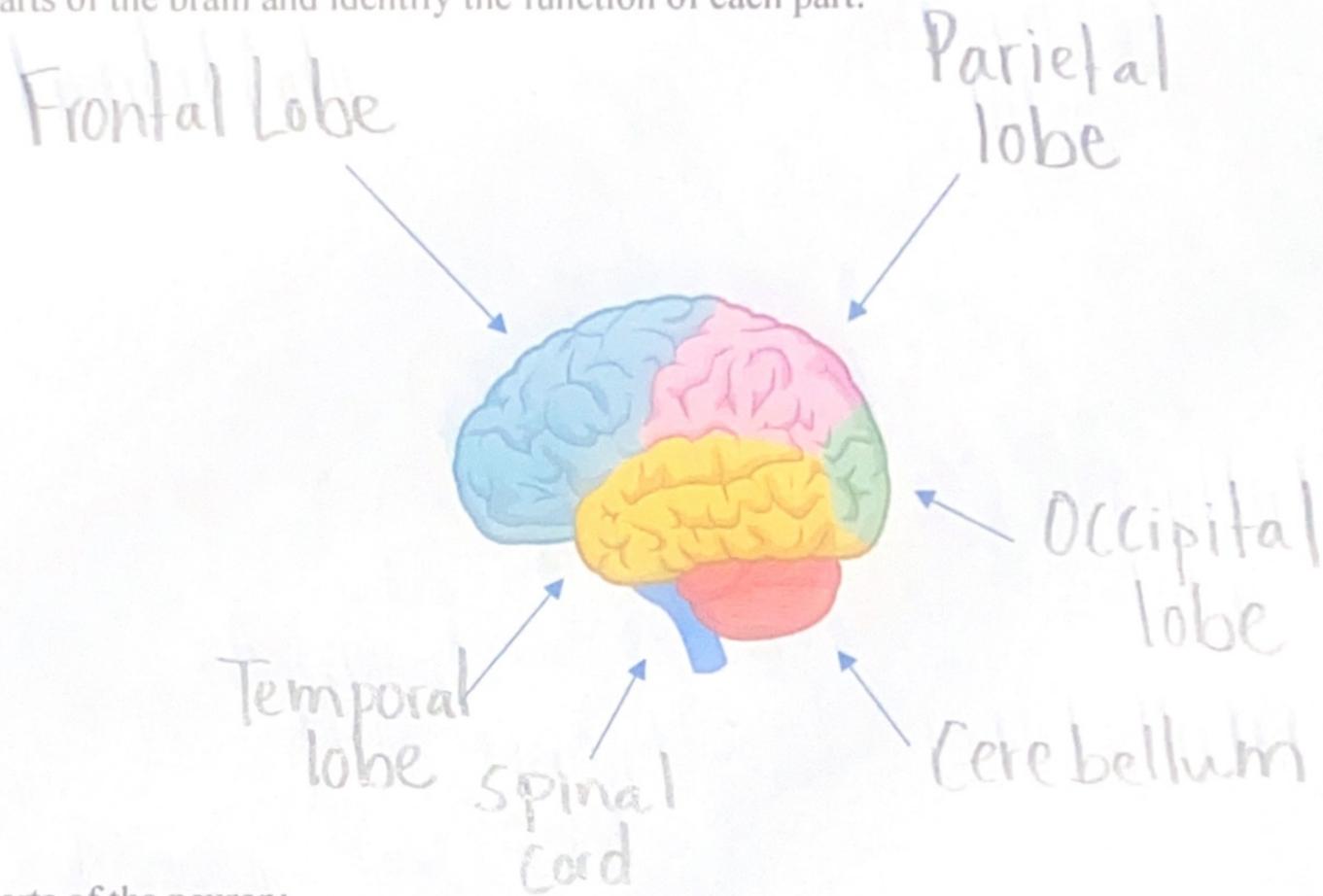


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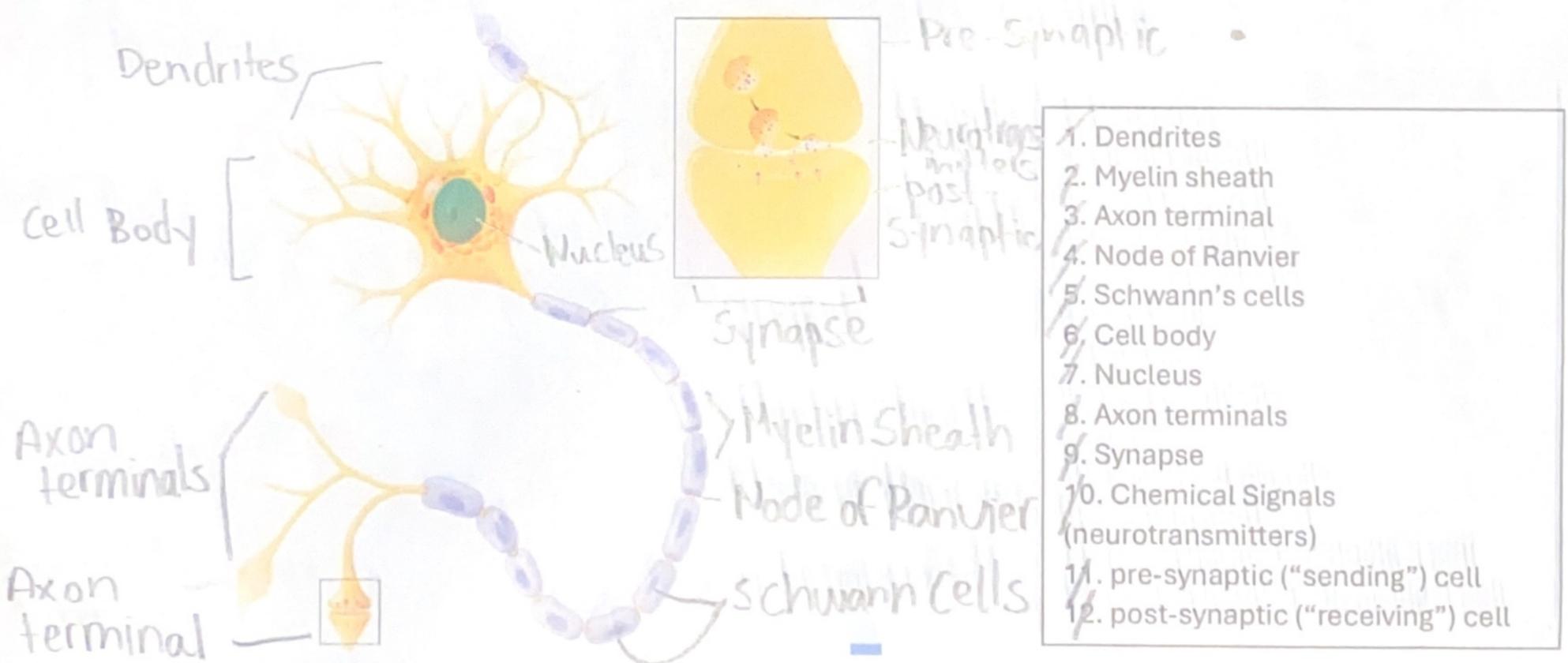
Neurosensory Unit Part 1: A&P

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.

A nerve impulse starts with an action potential (neuron is activated by a stimulus). This causes Na^+ ions to rush into the neuron, causing depolarization (\uparrow positivity). The impulse travels down the axon, K^+ ions follow to cause repolarization (reset of charge). Once the impulse reaches the axon terminal it triggers the release of neurotransmitters into the synapse. They then cross the gap and bind to the receptors of the next neuron which passes the signal along.