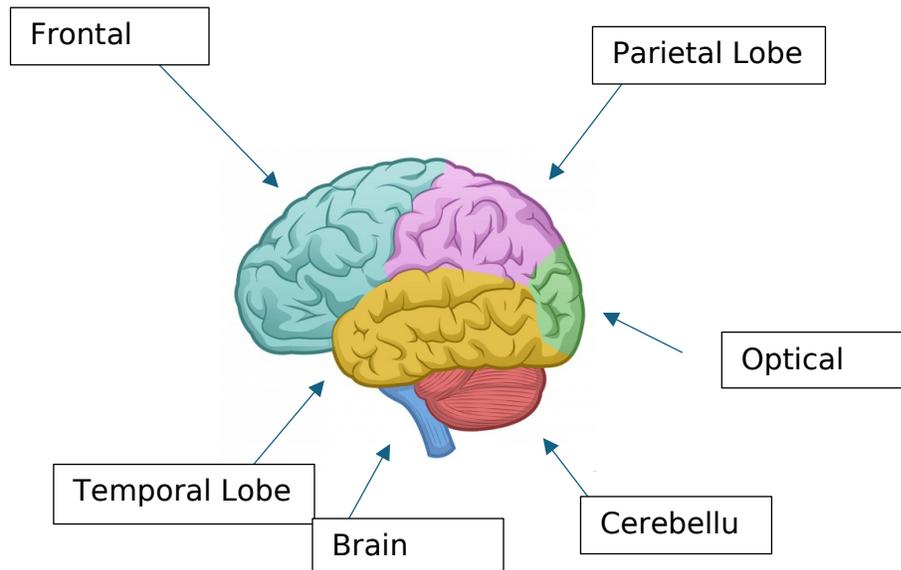


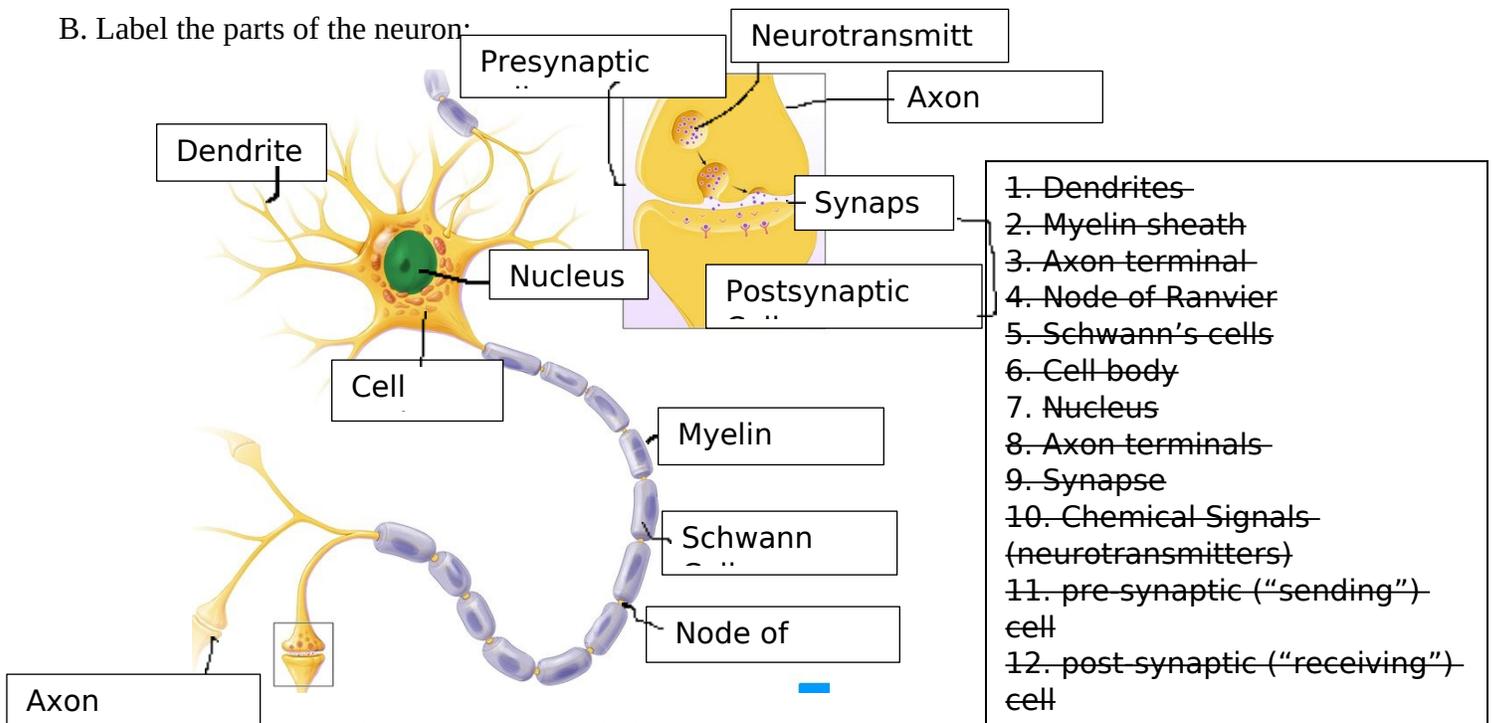
Neurosensory Unit Part 1: A&P

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.

This is the process that allows neurons to transmit electrical and chemical signals. At rest, a neuron has a negative charge, when a neuron receives a signal it triggers its action potential. With this it undergoes depolarization allowing the neuron to become positive, repolarization returns the neuron into its negative state, and then hyperpolarization or resting potential that restores it back to its original state.

When the action potential reaches the axon terminals it allows neurotransmitters to enter the synaptic cleft. The neurotransmitters then bind to the postsynaptic receptors and open ion channels