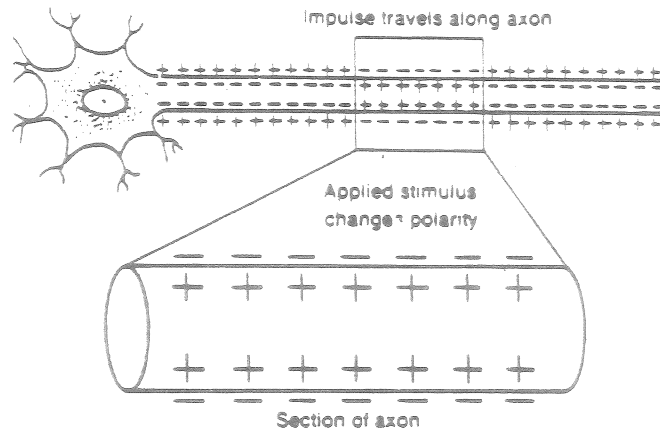


- Using your textbook and the simulation of neuron impulse physiology, complete the following diagrams. Apply the terms resting potential, depolarization, hyper polarization, refractory period, sodium pump, action potential, threshold.



direction
of impulse →

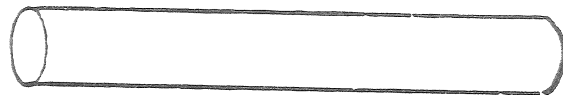
resting
potential



threshold
reached



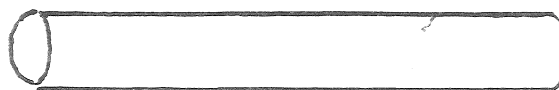
impulse
Step 1



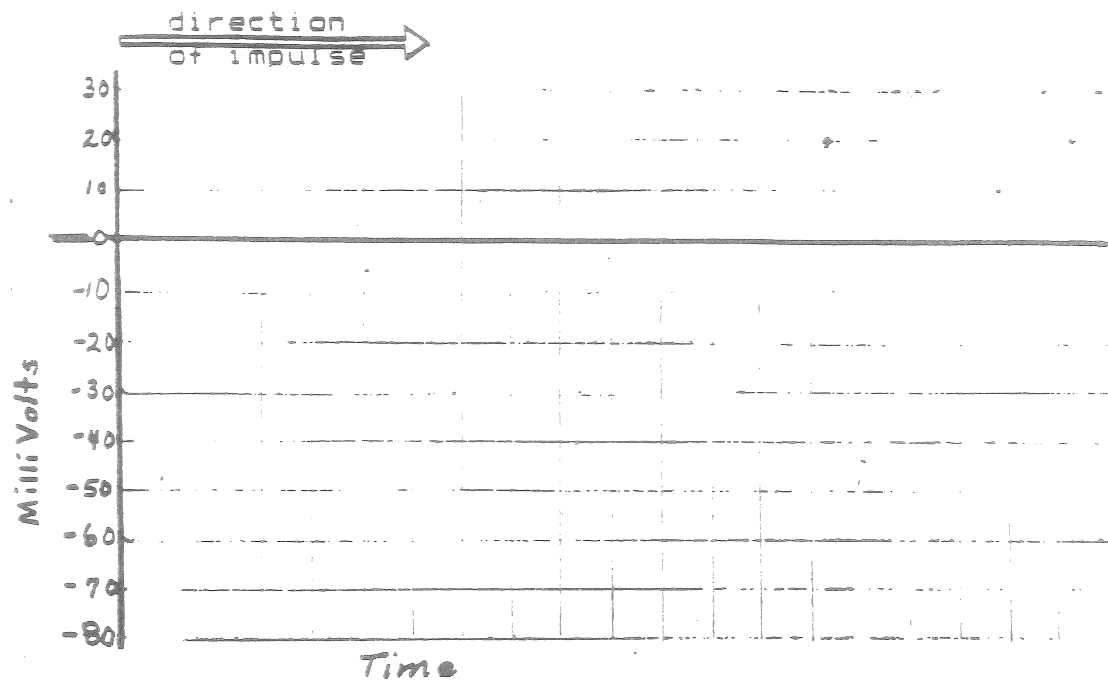
impulse
Step 2



impulse
Step 3



2. Graph the voltage changes that occur as an impulse passes. Label the graph with the same labels listed above and indicate the action that is occurring to make each one happen.



3. What is meant by the "all or nothing" nature of a nerve impulse?
4. How does the nervous system distinguish between strong and weak stimuli?