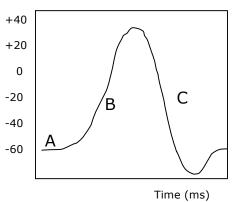
Name: Date	te:
Neurons & Impulse Conduction Questions	
1. What is the charge or difference in electric membrane" and how do ion concentrations w	
2. Why does the polarity of a cell membrane	reverse during an action notential?
(2 marks)	reverse during an action potential.
3. Why do nerve impulses move faster along	myelinated neurons? (2 marks)

4. Use the following diagram to answer parts (a) and (b).

Changes in Membrane Potential

Membrane Potential (mV)



a. Which area of the graph indicates the diffusion of Na+ ions into the neurons? Explain your answer. (2 marks)

b. Repolarization is occuring in which area? Explain your answer. (2 marks)

5. Explain the difference between depolarization of a neuron and an action potential. (2 marks)

6. Some people report they have a high pain tolerance. Explain how this could be due to threshold levels. (2 marks)

7. Describe the "all-or-none" response. (2 marks)