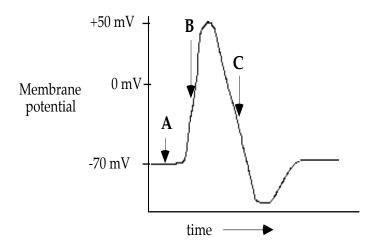
Solutions to: 7.012 Neurobiology Section Problem

Shown below is a plot of an action potential at a single point on an axon.



Fill in the table below, for each of the three timepoints (A, B and C) indicated by the arrows in the diagram above.

Time Point

	Α	В	С
Na+ voltage-sensitive channel status (Inactivated, Closed, or Open)	Closed	Open	Inactivated
K+ voltage-sensitive channel status (Inactivated, Closed, or Open)	Closed	Closed	Open
Na+ flow through Na+ voltage-sensitive channels (In, None, or Out)	None	In	None
K ⁺ flow through K ⁺ voltage-sensitive channels (In, None, or Out)	None	None	Out

Solutions:

