

The image contains two diagrams of a neuron, illustrating the process of an action potential. The neuron is represented as a vertical structure with a cell body (soma) at the top and a long axon extending downwards. The axon is divided into segments called myelin sheaths, which are shown as light blue rectangular blocks. The gaps between these blocks are the nodes of Ranvier.

Left Diagram (Resting Potential): The neuron is at rest. The cell body and the first myelin segment contain a black circle (representing a negative charge) and a black square (representing a positive charge). The axon is also at rest, with a black circle and a black square in the first segment, and a black circle and a black square in the second segment. The axon ends in a small black circle.

Right Diagram (Action Potential): The neuron is firing. The cell body and the first myelin segment are now filled with a solid black color, indicating a positive charge. The axon is also firing, with a solid black color in the first segment and a solid black color in the second segment. The axon ends in a small black circle.

Percent Survival