

# Action Potentials Extended

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### Section 1: Neurons Communicate

Neurons rapidly transmit information over long distances in a series of electrical pulses called action potentials.

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- Neuron Anatomy
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- Muscle Contraction
- Lidocaine
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### Section 2: Neurons and Electricity

Membrane voltage changes in response to ions that move through special pores in the cell membrane called ion channels.

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- The Equilibrium Potential
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The action potential is generated by the movement of sodium and potassium ions across the cell membrane through special voltage-gated ion channels.

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