Neuron Signaling Sequence

College | Neuroscience | Introductory

Learner: _____ Date: _____

Number the events from 1 to 4, then explain how the signal moves from electrical to chemical and back to electrical.

A threshold depolarization initiates an action potential.

Answer: _____

An action potential travels along the axon.

Answer: _____

Calcium entry triggers neurotransmitter release at the terminal.

Answer: _____

Neurotransmitter binds receptors and changes the next cell's potential.

Answer: _____

Grown-up check: Correct order: threshold and action potential; axon conduction; calcium-triggered release; receptor binding and postsynaptic change.

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