

## Neurons: The Basic Building Blocks of the Nervous System



### Neuron: The Basic Building Block of the Nervous System

The neuron is the basic building block of the nervous system. It is a specialized cell that can receive and conduct electrical impulses. The neuron consists of a cell body (soma) and a long projection called an axon. The cell body contains the nucleus and other organelles. The axon is covered by a myelin sheath, which insulates the axon and allows for the rapid conduction of electrical impulses. The axon ends in a terminal axon, which can form synapses with other neurons. The neuron is the basic unit of communication in the nervous system.

Neurons are the basic building blocks of the nervous system.

Neurons are the basic building blocks of the nervous system. They are specialized cells that can receive and conduct electrical impulses. The neuron consists of a cell body (soma) and a long projection called an axon. The cell body contains the nucleus and other organelles. The axon is covered by a myelin sheath, which insulates the axon and allows for the rapid conduction of electrical impulses. The axon ends in a terminal axon, which can form synapses with other neurons. The neuron is the basic unit of communication in the nervous system.