



Neurons are specialized cells that transmit information throughout the nervous system. They consist of a cell body (soma) containing a nucleus, dendrites that receive signals, and an axon that carries signals to other neurons or muscles. The axon is often covered by a myelin sheath, which speeds up the transmission of electrical impulses. The end of the axon is called the axon terminal, where signals are passed to other cells.

QUESTION

## FACTFILE



A synapse is the point of contact between two neurons. It allows electrical signals to be passed from one neuron to another. The axon terminal of the first neuron releases chemicals called neurotransmitters, which bind to receptors on the dendrite of the second neuron, triggering a new electrical signal.

QUESTION