



The diagram illustrates the structure of a neuron, which is the basic unit of the nervous system. The main components are:

- Dendrites:** These are branching structures that receive signals from other neurons.
- Cell Body (Soma):** The central part of the neuron containing the nucleus.
- Axon Hillock:** The region where the axon joins the cell body.
- Axon:** A long, thin projection that carries electrical impulses away from the cell body.
- Myelin Sheath:** A protective covering for the axon that speeds up the transmission of electrical impulses.
- Axon Terminals:** The end of the axon where signals are passed to other neurons.

FACTFILE



The diagram illustrates the structure of a synapse, which is the junction between two neurons. The main components are:

- Dendrite:** The part of the neuron that receives signals from other neurons.
- Cell Body:** The central part of the neuron containing the nucleus.
- Axon Hillock:** The region where the axon joins the cell body.
- Axon:** A long, thin projection that carries electrical impulses away from the cell body.
- Myelin Sheath:** A protective covering for the axon that speeds up the transmission of electrical impulses.
- Axon Terminals:** The end of the axon where signals are passed to other neurons.
- Synapse:** The junction between the axon terminal of one neuron and the dendrite of another neuron.