



**QUESTION**

What is the function of the cell body?

What is the function of the dendrites?

What is the function of the axon?

What is the function of the myelin sheath?

What is the function of the axon terminals?



**ANSWER**

The cell body contains the nucleus and organelles, and is the site of integration of incoming signals.

Dendrites receive signals from other neurons and transmit them towards the cell body.

The axon carries signals away from the cell body to other neurons or muscles.

The myelin sheath insulates the axon and speeds up the transmission of signals.

Axon terminals release neurotransmitters that bind to receptors on the dendrites of other neurons, initiating a new signal.