

Neurones and reflexes

What is a sensory receptor?

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What does a sensory neurone do?

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What does a relay neurone do?

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What does a motor neurone do?

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What is the CNS?

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What are the axon and the dendron?

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What is the role of the myelin sheath?

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What is a synapse?

Carries electrical impulses from a receptor to the CNS.

A cell that detects a stimulus and produces an electrical impulse.

Carries electrical impulses from the CNS to an effector.

It is in the CNS and connects the sensory neurone to the motor neurone.

The axon carries impulses away from the cell body. The dendron carries impulses towards the cell body.

The central nervous system: the brain and spinal cord.

A gap between two neurones.

It insulates the neurone and speeds up the transmission of impulses.

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What is the role of a neurotransmitter?

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What is the pathway of a reflex arc?

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Why are reflex actions important?

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In the ruler-drop test, what does a shorter distance show?

Stimulus, receptor, sensory neurone, relay neurone, motor neurone, effector, response.

It diffuses across the synapse and binds to receptors on the next neurone, triggering a new impulse.

A faster reaction time.

They are fast and automatic and do not need conscious thought, so they protect the body from harm.