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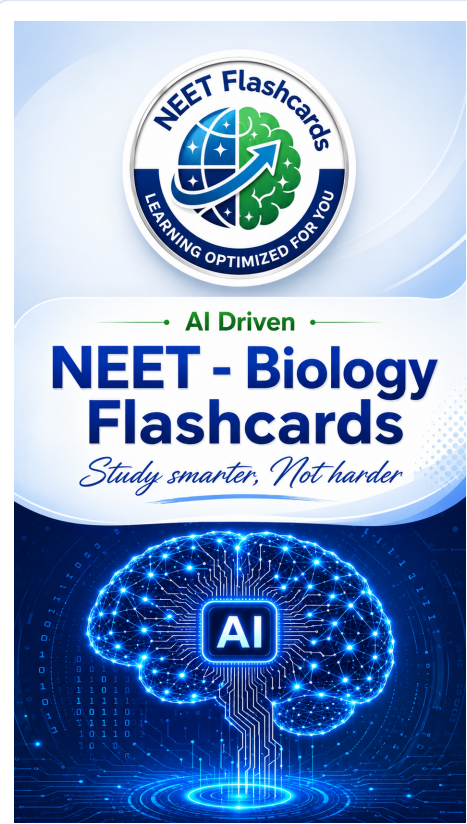
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Question	Answer
Are electrical synapses common in humans?	No, electrical synapses are rare in our system.
In what form is nerve impulse conducted along the axon membrane?	As a wave of depolarisation and repolarisation.
In which direction do axons transmit nerve impulses?	Axons transmit nerve impulses away from the cell body to a synapse or neuromuscular junction.
Into which three major parts is the brain divided?	Forebrain, midbrain, and hindbrain.
Into which two divisions is the PNS divided?	The PNS is divided into the somatic neural system and autonomic neural system.
Name some functions controlled by the brain.	Voluntary movements, balance, involuntary organ functions, thermoregulation, hunger, thirst, circadian rhythms, endocrine activities, and behaviour.
Through what structures is a nerve impulse transmitted from one neuron to another?	A nerve impulse is transmitted through junctions called synapses.
What are the three major parts of a neuron?	Cell body, dendrites and axon.
What are the two types of axons?	Myelinated axons and non-myelinated axons.
What does the CNS include?	The CNS includes the brain and spinal cord and is the site of information processing and control.
What happens after synaptic vesicles fuse with the plasma membrane?	Neurotransmitters are released into the synaptic cleft.
What is the cerebral cortex?	The cerebral cortex is the layer of cells covering the cerebral hemispheres.
What type of coordination does the neural system provide?	The neural system provides an organised network of point-to-point connections for quick coordination.
Where is the hypothalamus located?	The hypothalamus lies at the base of the thalamus.
Where is the midbrain located?	The midbrain is located between the thalamus/hypothalamus of the forebrain and pons of the hindbrain.
Why are neurons called excitable cells?	Neurons are excitable because their membranes are in a polarised state.
Why does the cerebellum have a highly convoluted surface?	To provide additional space for many more neurons.



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