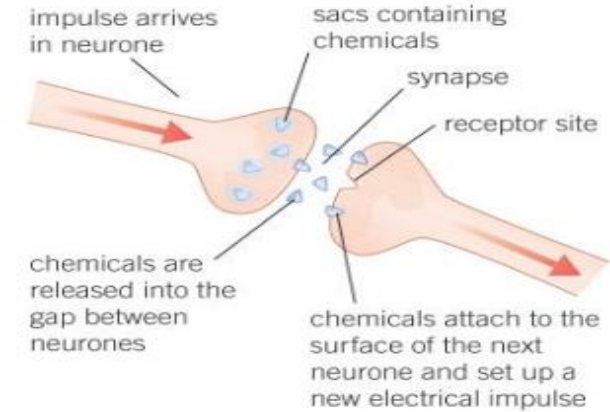
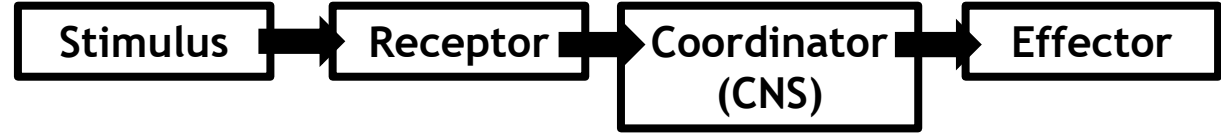


Nervous System & Responses

Section 1- Structure of the Nervous System

Structure	Function
1. Neurone	Specialised cells that electrical impulses are passed through.
2. Nerve	Bundles of hundreds/thousands of neurones.
3 Central Nervous System (CNS)	Made up of your brain and spinal cord . Your brain co-ordinates all responses and sends impulses out again.
4 Sense Organs	Organs which detect changes on the outside e.g. smell (nose), touch (skin), sight (eye).
5 Sensory Neurone	Cells that carry impulses from your sense organs to your CNS.
6 Relay Neurones	Connect a sensory neurone to a motor neurone . They are found in the CNS.
7 Motor Neurone	Carry information from the CNS to parts of your body (effectors)
8 Effector	Muscles or glands which respond to an impulse and make a change happen.
9 Receptor	Found clustered in your sense organs and pick up changes (stimuli).
10 Synapse	A physical gap or junction between neurones. Chemicals called neurotransmitters diffuse across the gap as the electrical impulse CANNOT jump.



A Synapse
(10)

Reflex Pathway

Stimulus	Receptor	Sensory Neurone	Relay Neurone	Motor Neurone	Effector	Response
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