

Sensory organs

Eyes - light receptors

Ears - sound receptors

Nose - taste, smell receptors

Tongue - taste receptors

Skin - pressure, touch, temperature

Receptors turn energy (e.g. light) into electrical impulses

Motor neurones

The nerve fibres that carry signal from the effector

Sensory neurones

nerve fibres that carry signals from the receptors to the central nervous system (brain or spine)

- 1) The central nervous system is where all the sensory information is sent and where reflexes and actions are coordinated. only brain and spinal chord
- 2) Neurones (nerve cells) transmit electrical impulses very quickly around the body
- 3) effectors - muscles and glands which respond to various stimuli according to the instructions of the central nervous system

Brain - Thinking
memory
decision
higher functions

spinal chord - automatic
very fast responses