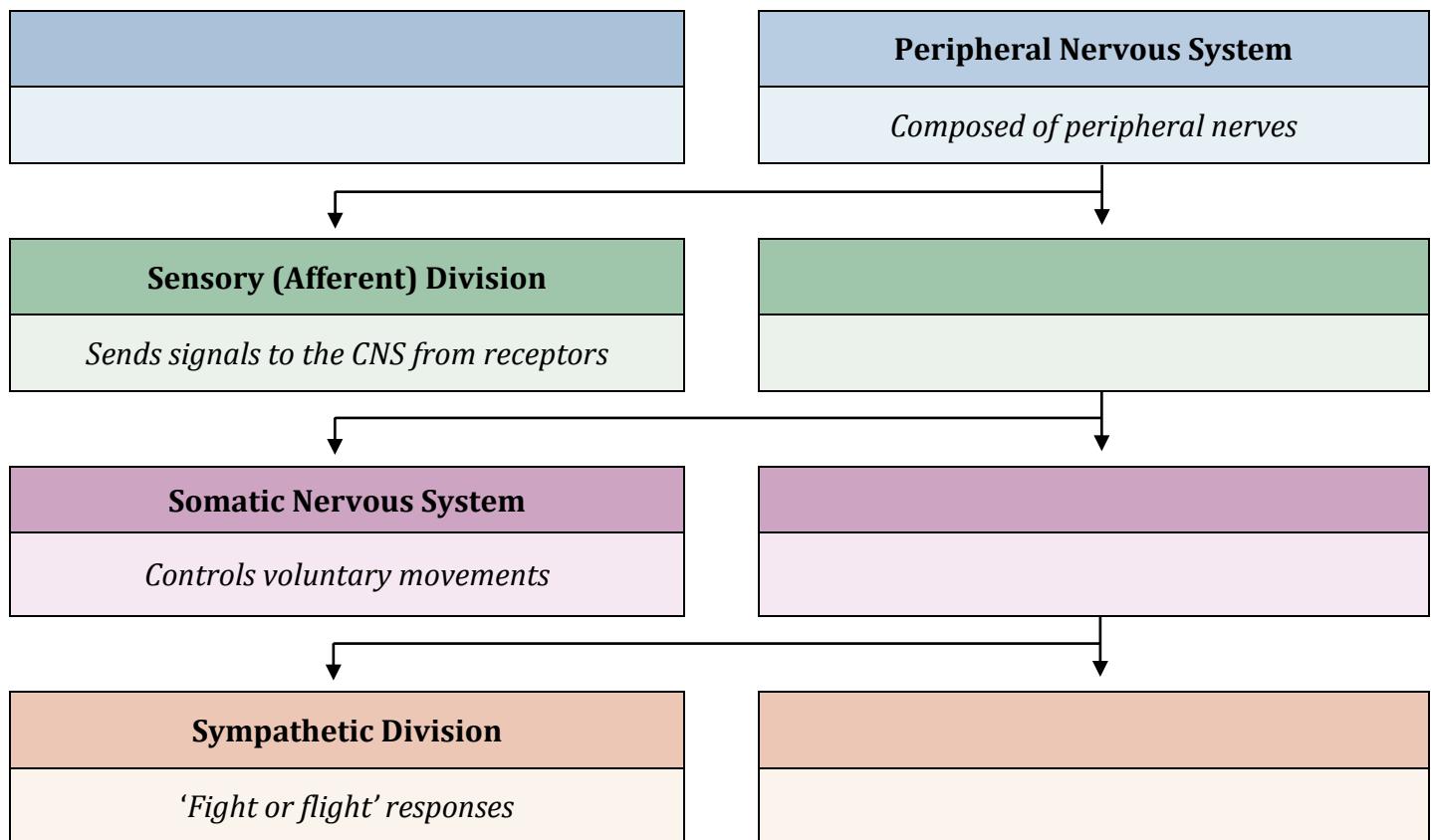


6.5 Neurons and Synapses

Nervous System

Outline the divisions of the nervous system



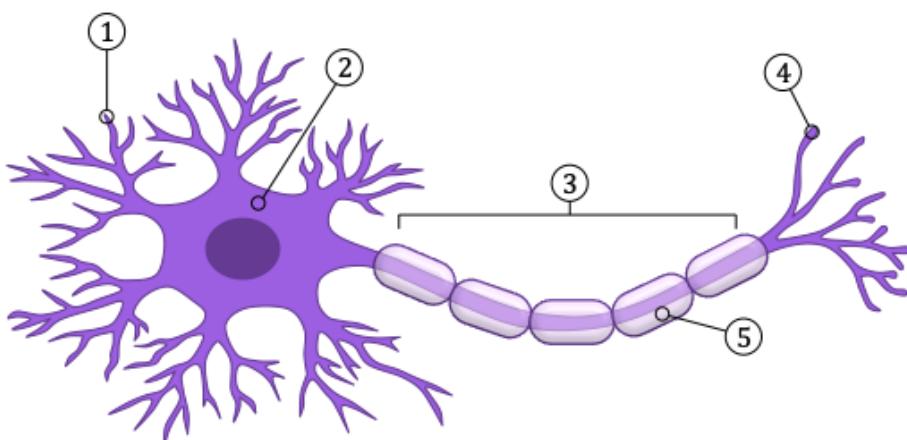
State the role of sensory, motor and relay neurons (interneurons)

Sensory:

Motor:

Relay:

Label the diagram of a typical motor neuron



1.
2.
3.
4.
5.

Draw direction of nerve impulse

Define the following terms

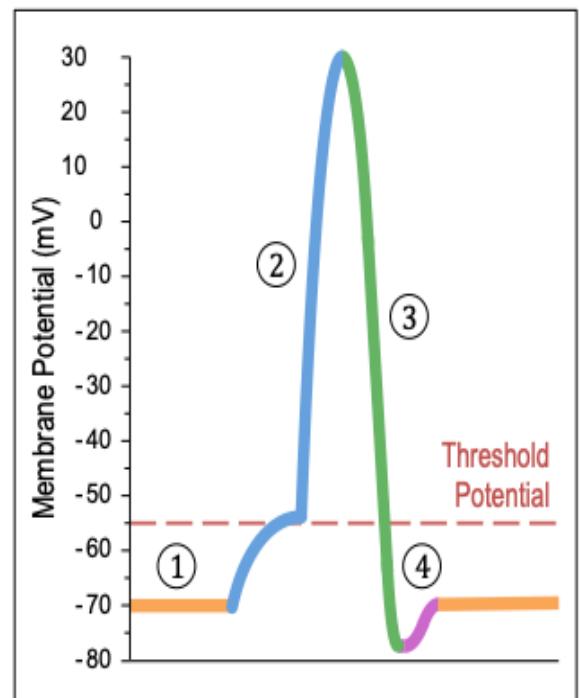
Resting potential

Action Potential

Depolarisation

Repolarisation

Explain, with the aid of the diagram, how a nerve impulse passes along a non-myelinated neuron

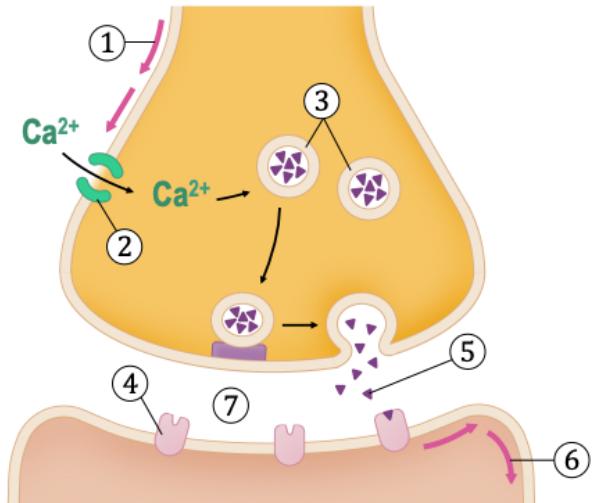


State what a threshold potential represents

Explain how the myelin sheath enables salutatory conduction

Synaptic Transfer

Label the diagram and explain the process of synaptic transmission



1.
2.
3.
4.
5.
6.
7.

Describe how synaptic transfer enables complex decision making in the CNS

Describe the secretion and reabsorption of acetylcholine

Identify how neonicotinoid pesticides affect acetylcholine transmission
