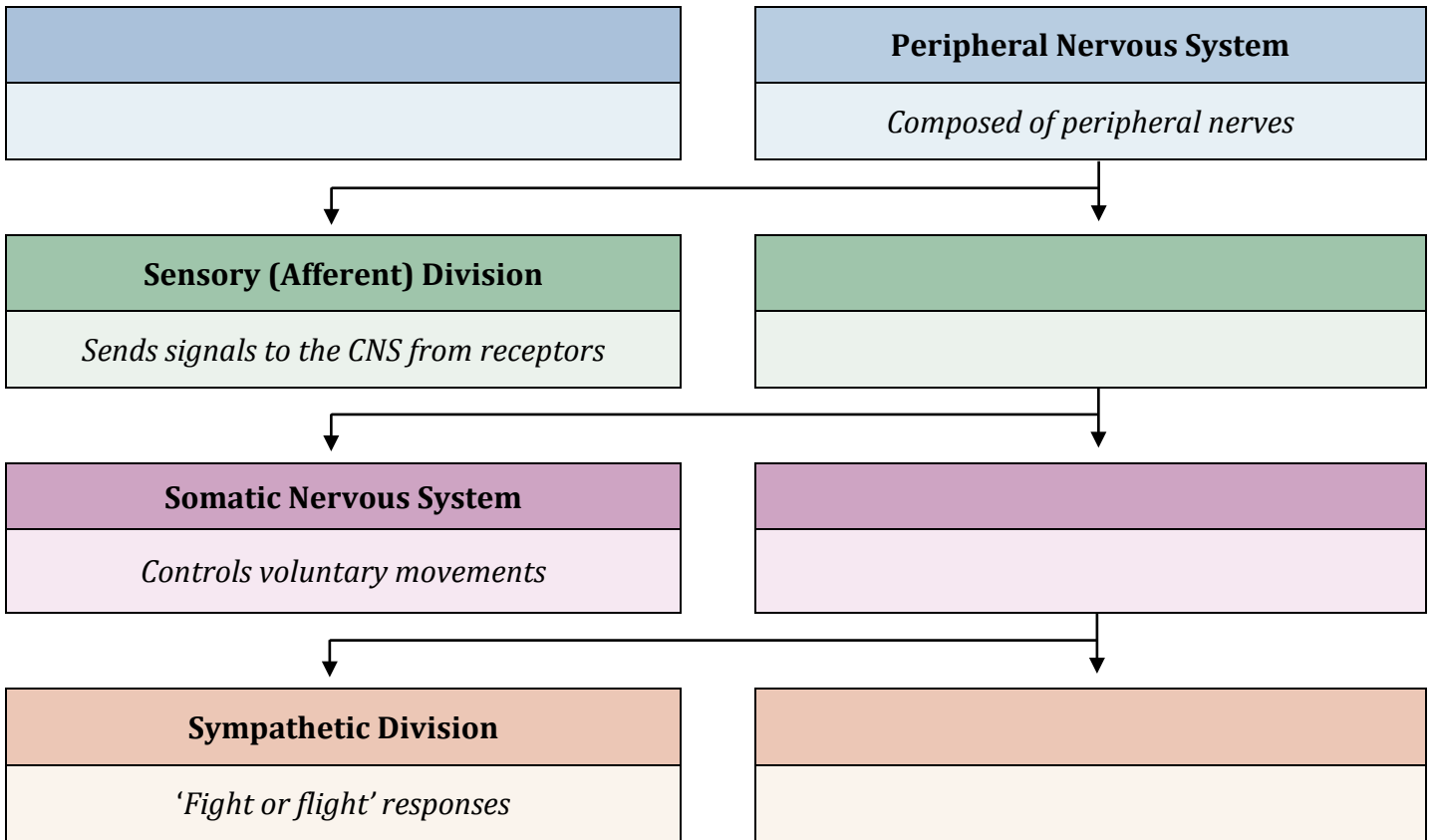


## 6.5 Neurons and Synapses

### Nervous System

*Outline the divisions of the nervous system*



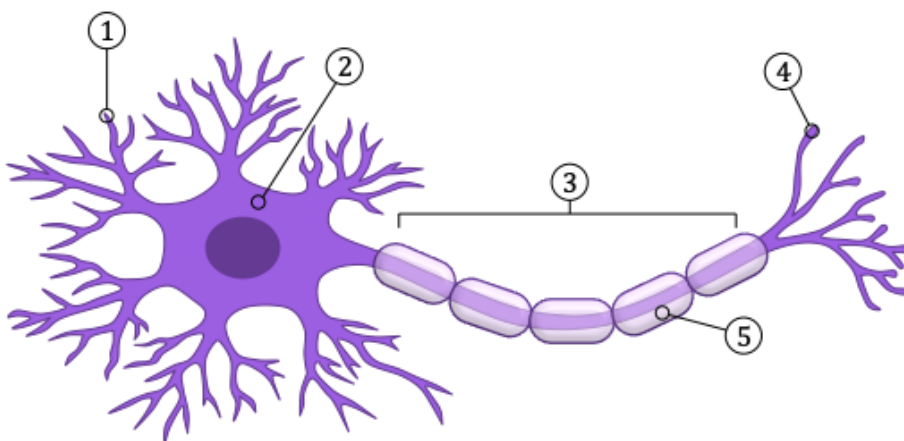
*State the role of sensory, motor and relay neurons (interneurons)*

Sensory: .....

Motor: .....

Relay: .....

*Label the diagram of a typical motor neuron*



1. ....
2. ....
3. ....
4. ....
5. ....

*Draw direction of nerve impulse*



*Explain how the myelin sheath enables salutatory conduction*

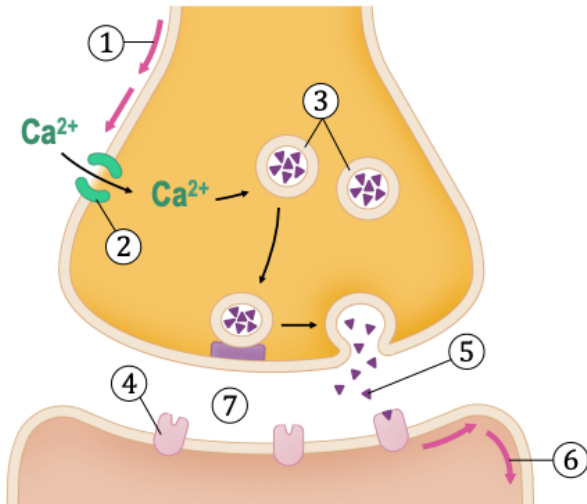
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**Synaptic Transfer**

*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*

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*Describe the secretion and reabsorption of acetylcholine*

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*Identify how neonicotinoid pesticides affect acetylcholine transmission*

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