

Unit 3 KA4a: Nerve Cells and Neurotransmitters

Draw a synapse, labelling the **pre synaptic neuron, vesicles containing neurotransmitters, synaptic cleft, post synaptic neuron and receptors**

Draw a neuron, labelling the **cell body, dendrite and axon**

Function of myelin sheath

State two functions of **glial cells**

Why a 2 year old's responses to stimuli are **not as rapid or coordinated** as an adult's.

Why neurotransmitters must be removed after release.

By what process do neurotransmitters cross the synaptic cleft?

Complete the sentence:

Certain diseases destroy the myelin _____ causing a loss of _____ - _____

Two methods in which **neurotransmitters are removed from the synaptic cleft**

- 1.
- 2.

- 1.
- 2.

[Empty rounded rectangular box for drawing a synapse]

[Empty rounded rectangular box for drawing a neuron]

[Empty rounded rectangular box for function of myelin sheath]

[Empty rounded rectangular box for why a 2 year old's responses are not as rapid or coordinated]

[Empty rounded rectangular box for neurotransmitter crossing synaptic cleft]

[Empty rounded rectangular box for neurotransmitter removal after release]

[Form for completing the sentence about myelin]

[Form for two methods of neurotransmitter removal]

[Form for two functions of glial cells]

