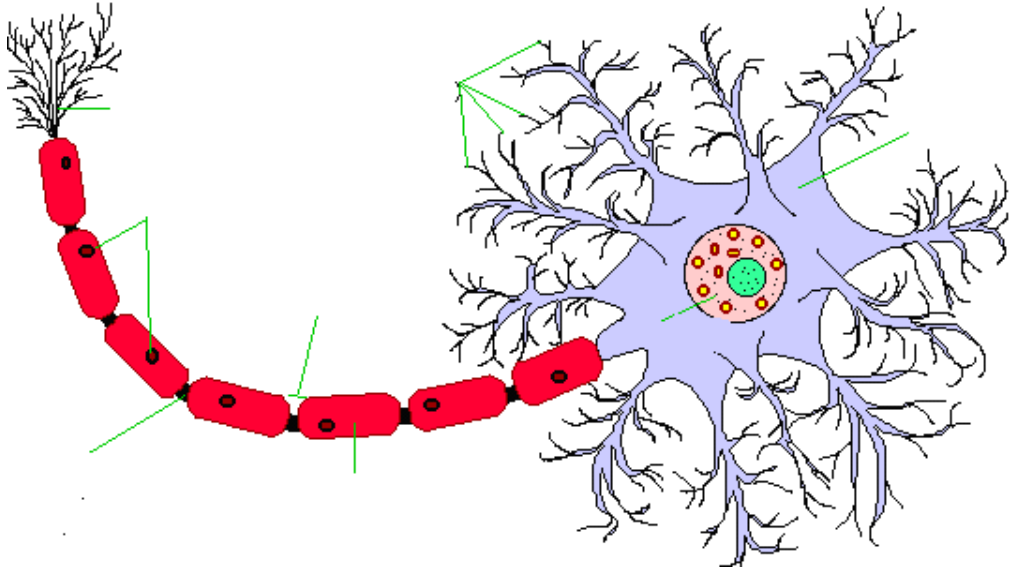


Workbook : Neurones - their role in the nervous system.

This workbook has been designed to be used in conjunction with the course reading booklet. You are free to complete as few or as many of the tasks as you wish. The workbook can then be added to your CPD portfolio as evidence of your activity. It also provides room for you to reflect your thoughts in relation to this course and your learning experience.

1.	How many pairs of nerves are involved in the peripheral nervous system?
2.	Which two types of tissue are the major contributors to the nervous system?
3.	Label the diagram correctly 

4.	What is the role of the dendrite?
5.	What is the relationship between the axon and the Schwann cell?
6.	What is the major constituent of myelin?

7.	How do Schwann cells contribute to nerve regeneration?
8.	What is the difference between unipolar, bipolar and multipolar neurons?

9.	Differentiate between the functions of the sensory and motor neurone?
10.	Briefly describe the generation of an action potential.

11.	What benefit is derived from having a refractory period?
12.	What is the 'all-or-none' principle? Why is it useful?
13.	Define salutatory conduction, and how it differs from continuous conduction.

14.	What is the role of acetylcholine at the neuromuscular junction?
15.	Give a description of the processes involved in synaptic transmission.

16.	What are 'divergence' and 'convergence'?
17.	What are the criteria for the identification of a neurotransmitter?
18.	What affect would an increase in pH have on synaptic transmission?

19.	<p>What are (giving an example of each) :</p> <ul style="list-style-type: none">a. proprioceptors b. somesthetic receptors c. exteroceptors d. interoceptors
20.	<p>In order of decreasing transmission speed, list the classifications of nerve fibres.</p>

Reflection.

Take some time to think about the learning that you have completed using this course. Was it useful, was it interesting, was it applicable to your practice? Is there anything in particular you have gained from the course, and does it encourage you to alter your practice? Have you enjoyed it?

These are all questions you should ask yourself before you complete your reflective account below, as these are key points that you need to mention.

How much time have you spent completing this course?	
Did you complete the course on your own, or as part of a learning group?	

Your general reflective account :

Key Learning / Practice points (list up to 5) :

1.

2.

3.

4.

5.

If you feel you have any further comments to make about your learning, please use the space below.

