

STD 10

work sheet-2

Based on the victors class -5

To watch class [click here](#)**BIOLOGY****1****Sensations and Responses**

1. There are three types of synapses. What are they?
2. Complete the table related to the neuron

Types of neurons	Function
Sensory neurons	
motor neurons	

3. Complete the table related to nerves and their function (Table (1.1))

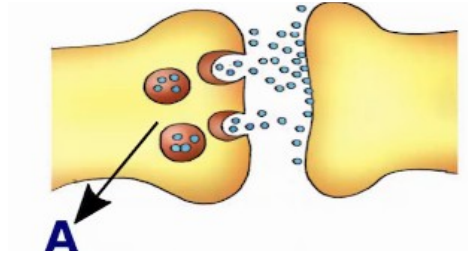
Nerves and their peculiarities	Function
Sensory nerve (formed of sensory nerve fibres)	-----
Motor nerve (formed of motor nerve fibres)	carries impulses from brain and spinal cord to various parts of the body.
Mixed nerve (-----)	-----

4. The following figure shows the distribution of ions in the outer and inner side of the plasmamembrane of the axon. Analyse the figure and answer the following questions



- a) Why is the difference in the charge distribution in the outer and inner side of the plasma membrane ?
- b) What changes do the stimulus create in the charges in the outer and inner side of the plasma membrane ?
- c) How do these charges get transmitted through the axons as impulses?

5. Observe the illustrations of Impulse transmission through neurons and answer the following questions



- a) Identify the part that denoted as A
- b) Name the chemicals secreted from A ? What is their function?

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