

INTERBELL STUDENT SUPPORT MATERIAL
A JOINT VENTURE OF DIET PALAKKAD & SSK

omj
online 2.0

BIOLOGY STD 10

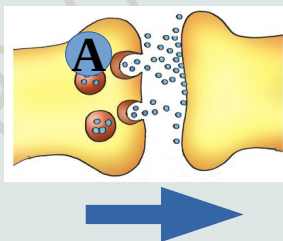
FIRST BELL-2 ONLINE CLASS NO : 05

06-07-2021

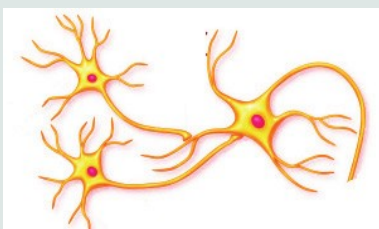


1. In the given picture the message formed in the nerve cell enters to another nerve cell.

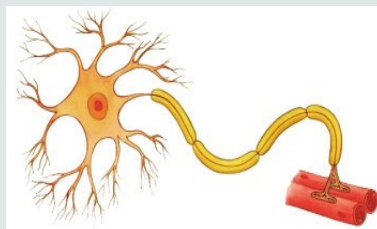
- Which part is mentioned in the picture ?
- Write the chemical substances secreted from A . Write an example.



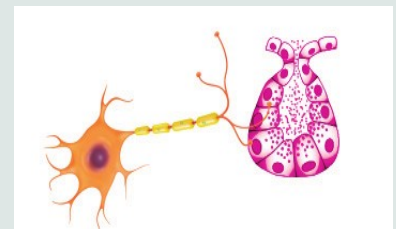
2. Identify the various synapses given in the illustration and write their names.



A

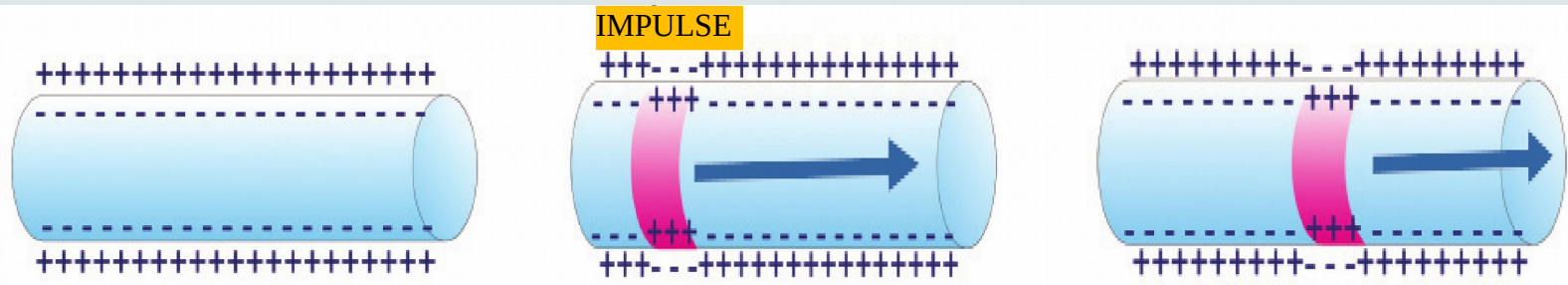


B



C

3. Observe the diagram indicating the arrangement of charges on both sides of the plasma membrane of the Axon.

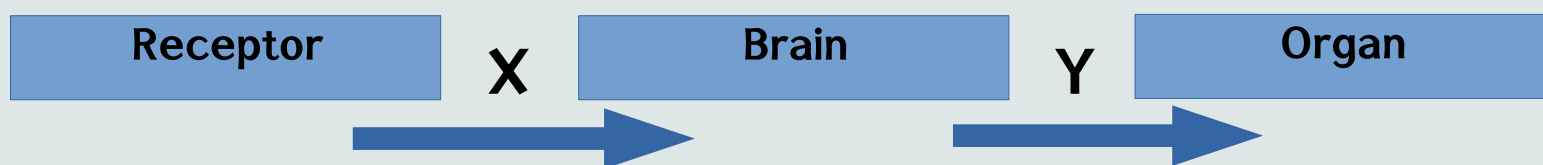


- What is the cause of different charges on both sides of the plasma membrane ?
- What difference do the stimuli make in the charges on both sides of the plasma membrane ? How does this difference flow through the Axon ?

4. Identify the word pair relationship and fill in the blanks.

- Nerve cells that carry impulses to the brain and spinal cord : Sensory nerve cells
 - Nerve cells that carry messages from the brain and spinal cord to various organs :
- Carries messages to the brain and spinal cord : Sensory nerve
 - : Mixed nerve
- When nerves are stimulated : Positive charges within the cell
 - At normal stage :

5. Observe the picture of the transmission of impulses through the nerves and write down the answers to the questions .



- X and Y indicates which nerves ?
- What is the importance of synapse in the transmission of impulses

6. Observe the following pattern and write the different types of nerves and their functions.

A. Mixed nerve	↔	Carries impulses to and from the brain and spinal cord.
B.	↔
C.	↔

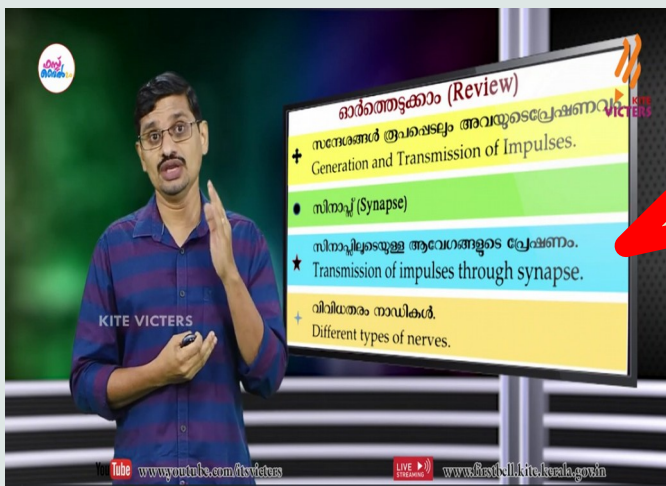
7. Write two examples of neuro transmitters .

8. If there is any mistakes in the underlined part of the statements given below, correct and rewrite it.

- a) The function of neuro transmitters is to regulate the speed and direction of impulses.
- b) The nerve is a group of dendrons.

9. Which is the odd one ? Write the reason.

- a) Nerve cell – Nerve cell
- b) Nerve cell – Muscle cell
- c) Nerve cell – Glandular cell
- d) Nerve cell – Schwann cell



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Of this work sheet please
Click on the image.