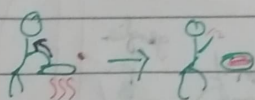


Neurobiology:-

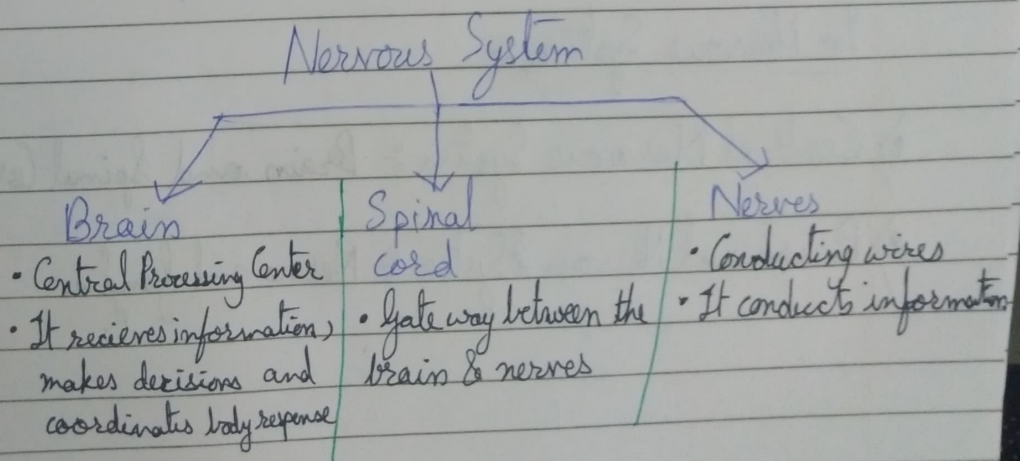
Nervous system:-

- Coordinate mental processes by which we act, learn to remember.
- Human brain consists of many individual components called nerve cells. These nerve cells are interconnected to give us perception of the external world, and control our actions.
- Its function is to provide rapid communications and integration between various organs.

Nerve impulses:-



- The Nervous system detects changes in the body and its surroundings.
- This fast communication is achieved by electrical signals called nerve impulses.
- These nerve impulses are ~~carried~~ generated and carried by specialized cells called neurons.

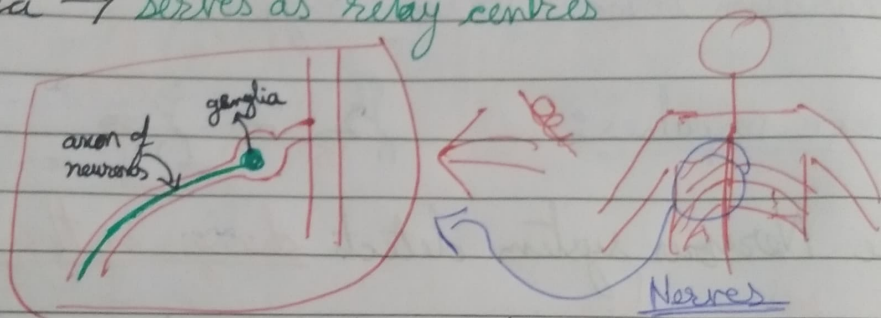


Types of cells in Nervous System :-

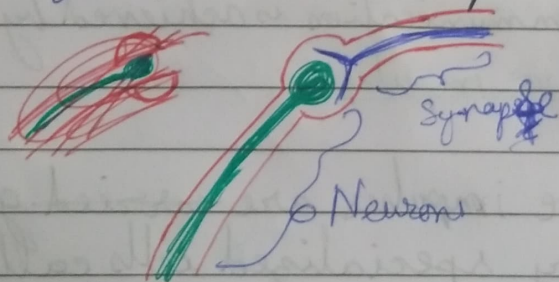
1) Nerve cells (neurons)

2) Glial cells (glia)

- Nerves are composed of \approx axons of neurons
- The cell bodies of which are clustered in knob-like structures called ganglia
- Ganglia \rightarrow serves as relay centres



- Neurons and Synapse transmit information to each other



In Nervous System :-

- 1) Central Nervous System :- Brain and Spinal Cord
- 2) Peripheral Nervous System :- Nerves and ganglia