

Synapse

It is the gap between the nerve ending of one neuron and dendrite of other neuron.

In this electrical signal is converted into chemical signal.

REFLEX ACTION

Reflex action is quick, sudden and immediate response of the body to a stimulus.

Ex - When you smell your fav. dish, your mouth waters.

Reflex arc -

The pathways through which nerve impulses during reflex action is called reflex arc.

Response: Responses are of 3 main types

- 1) Voluntary: - controlled by fore brain
- e.g. Talking, writing etc.

of voluntary actions. e.g. Picking pen.

(ii) Medulla:

Control involuntary actions. e.g. blood pressure, vomiting.

(iii) Pons -

This also controls involuntary activities but of different types like breathing.

Protection of Brain and Spinal Cord

(a) Brain:

Brain is protected by a fluid filled balloon which acts as a shock absorber and is enclosed in cranium (skull or brain box).

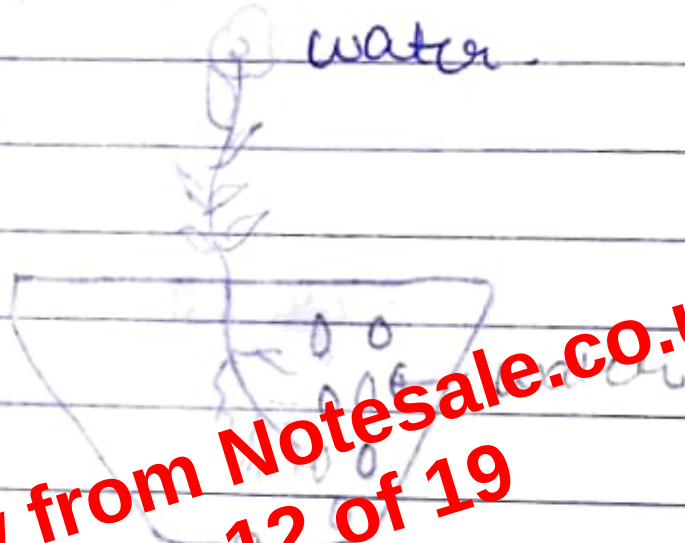
(b) Spinal cord:

Spinal cord is enclosed in vertebral column.

2) Dependent on growth

These movements are tropic movements that is directional movements response to stimulus.

(i) Hydrotropism — movement towards water.



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(ii) Phototropism — movement towards light.

