

## HOME ASSIGNMENTS

1. What is the difference between a reflex action & walking?

Ans Reflex action

- It is the action which is performed automatically.

- It is a <sup>non</sup> voluntary action.

- It does not involve any thinking.

walking

- It is a response to the information transmitted by nerve to muscles of legs. Thinking is involved.

- It is a ~~volun~~ voluntary action.

2. What happens at the synapse between two neurons?

Transmission of nerve impulses between two neurons takes place through the synapse. The axon terminal of a neuron releases specialized chemicals called neurotransmitters. These chemicals travel through the synapse and reach the dendrites of the next neuron.

3. Which part of the brain maintains posture and equilibrium of the body?

Cerebellum controls the posture & equilibrium of the body

4. How do we detect the smell of an agarbatti?

~~The smell~~ We detect the smell of an agarbatti because of the olfactory receptors present in nose. The ~~the~~ scent of the incense stick initially reaches our nose, where it is detected by the olfactory receptors, ~~sent~~ which send electrical signals to the forebrain. The forebrain then interprets this information as the smell of an incense stick, which it already has stored in its memory.

5. What is the role of brain in reflex action takes place in the spinal cord. Only the information that a reflex action has taken place goes on to reach the brain.