

In-Level Questions

1. What is difference between a reflex action & walking?
- A. Reflex Action
- It is a spontaneous immediate response to stimulus. It happens without thinking.
 - It is controlled & coordinated by spinal cord.
 - It is an involuntary action.
- Walking is a response to information transmitted by nerve to muscles of legs. Thinking is needed.
- Hind brain in the brain controls leg muscles to move.
- It is voluntary action.

- Q2. What happens to synapse between two neurons?
- A. Transmission of nerve impulse between

Two neurons take place through synapse. The axon terminal of neuron releases chemical called neurotransmitter. These chemical travel through synapse & reach dendrite of successive neuron. These chemical messenger cross the synapse & start a electrical impulse.

Q3. Which part of brain maintains posture & equilibrium of the body?

A Cerebellum

Q4. How do we detect smell of agarbatti?

A When the smell of agarbatti reaches to our nose then olfactory receptors present in our nose detect it & send this information in fore brain in form of electrical signals. Fore brain interprets as smell of agarbatti.

Q5. What is the role of brain in reflex action?

A Brain has no direct involvement in reflex action. It is mainly controlled by spinal cord & these actions not require thinking & very quick action.