

## NERVOUS SYSTEM, HOME ASSIGNMENT

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

Ans ⇒ Reflex Action

\* Reflex actions are those actions that take place along with stimuli.

\* The spinal cord control these actions.

\* These actions can be controlled.

\* These are spontaneous actions.

### Walking

\* Walking is a voluntary action.

\* The brain controls ~~the~~ walking.

\* Walking can be controlled by changing the pace of walking.

\* Walking is not spontaneous.

2. How does chemical coordination takes place in animals?

Ans.  $\Rightarrow$  Chemical coordination takes place in animals with the help of hormones. Hormones are the chemical fluids that are secreted by the glands of the endocrine system. Hormones regulate the overall growth and development of animals.

3. What is the function of receptors in our body? Think of situations where receptors do not work properly. What problems are likely to arise?

Ans.  $\Rightarrow$  Receptors are present over all parts of the body, for e.g. in skin, eye, nose, tongue, ear. They detect the signals and then send them to the brain in form of electrical signals. If receptors are damaged, they will not detect the input, leading to harm for our body in a dangerous situation.