

# HOME ASSIGNMENT

## Homework Questions & Answers

HW  
11/12/24

Q-1)

What is the difference between reflex action and walking?

### REFLEX ACTION

\* Reflex actions are those actions that take place along with stimuli. Thus, it is an involuntary action.

\* The spinal cord controls these actions.

\* These are automatic & spontaneous actions.

### WALKING

\* Walking is a voluntary action, which requires our thinking & is within our control.

\* The brain controls walking.

\* Walking is not spontaneous and can be controlled by changing the pace of walking.

(Q-2) How does chemical coordination takes place in animals?

Ans → Chemical coordination takes place in animals is brought about through the ~~horm~~ hormones which are chemical substance secreted by an endocrine gland, which is directly poured into the blood stream and acts on a target organ or cell. They are also known as chemical messengers.

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

Ans → Receptors are present over all parts of the body, for example, in tongue, skin, eye, nose, etc. They detect the signals and send them to the brain in the form electrical signals. If these receptors do not

work properly, there will be a delay in getting information from the environment to the brain or spinal cord. As a result, the reaction of the information is also late, which cause harmful effect on our body.

For example - If thermo-receptors (in skin) are damaged, then we cannot get the heat as a stimulus. So, if we accidentally touch any hot object, then our hands might get burn.