

Please follow the instructions properly:

1. Write neat and clean in your fair notebook.
2. All the diagrams should be labelled properly.
3. Use pencil for labelling any diagram.

Chapter- 4

Nervous System

Sub- G. Science

Class- V

I. oral question:-

1. Which part of our body protect our brain?

Ans 1. Bony box (cranium) protect our brain.

2. How many types of taste buds are there in tongue?

Ans 2. There are four types of taste buds in tongue.

II. Science quiz:-

1. Name three main parts of the nervous system.

Ans. Brain ,nerves and spinal cord are the three main parts of nervous system.

2. Name the nerves which help in carrying the messages from the brain to different body parts.

Ans. Motor nerves (efferent nerves) help in carrying messages from brain to different body parts.

3. Which part of the brain is called centre of intelligence.

Ans. Cerebrum is called centre of intelligence.

III. Very short answer:-

1. Name the nerves which carry messages from sense organs to the brain.

Ans. Sensory nerves carry messages from sense organ to the brain.

2. Name the part of the brain which controls voluntary muscles.

Ans. Cerebellum is the part of the brain which controls voluntary muscles.

3. What is the function of cornea?

Ans. Cornea is a transparent covering which protects the front part of the eye.

IV. Short answer:-

1. Name the sense organs found in our body. List any three ways to take care of your eyes.

Ans. Eyes, ears, nose, tongue and skin are the sense organs found in our body.

Three ways to take care of our eyes are:

(a) Wash the eyes daily with clean water.

(b) Do not watch TV for a long time.

(c) Do not read in very dim light and in moving vehicle it strains your eyes.

2. Name the different part of the brain. Mention the function of each part.

Ans 2. **cerebrum**- It is called the centre of intelligence. It helps to understand, remember and solve our problems . it also control our sense organs.

Medulla oblongata- It controls involuntary action like sneezing, heartbeat, blinking of eyes.

Cerebellum- It controls our voluntary action and helps to balance our body.

3. Why should we not clean our ears with any pointed object?

Ans 3. We should not clean our ears with pointed object because it may damage our eardrum.

4. Rohan sits at the last bench in his class. He finds it difficult to write the notes from the blackboard. Teacher notices the problem but every bench is occupied with two students. Rohit and saurabh who are sitting at the front seat, suggest their teacher that Rohan can sit with them. They will adjust.

(a) What could be the problem with Rohan?

Ans (a) Rohan might have some difficulty in reading the text written on the blackboard. So, it shows he has a weak eyesight.

(b) How can be sitting in the first bench helpful for Rohan?

Ans (b) Sitting on the first bench will decrease the distance between his eyes and blackboard. It will help him in reading the text written on the blackboard.

(c) What do we learn from Rohit and Saurabh?

Ans (c) Rohit and Saurabh are helpful and have scientific attitude also, which resulted in solving the problem faced by Rohan.

V. Long answer questions:-

1) Write two ways each for taking care of (a) skin (b) nose

Ans 1. **For skin**

a) Daily bath with clean water and soap .

b) Wear clean clothes.

For nose

a) Do not use finger to clean your nose.

b) Clean the blocked nose by inhaling steam.

2) Discuss about the three type of nerves.

Ans 2. The three types of nerves are:

a) **Sensory nerves**- it carry messages from the sense organs and send it to the brain and spinal cord.

b) **Motor nerves**- it carries messages from the brain or spinal cord and sends it to different body parts.

c) **Mixed nerves**- these nerves carry messages to the brain as well as bring orders from the brain.

3) What is reflex action?

Ans 3. Reflex action is an automatic response of the body to an event.

4) Why we pull our hand away immediately from the hot object?

Ans 4. We pull our hands away immediately from the hot object because spinal cord sends orders through motor nerves for tighten up.

5) Describe the structure of eyes.

Ans 5. a) **Cornea**- it is a transparent covering which protect the front part (iris, pupil) of eye.

b) **Iris**- it is the coloured part of the eye where pupil is present it also controls the size of the pupil.

c) **Pupil**- it is the black spot through which light enters into the eye.

d) **Lens**- behind the pupil is the lens. The lens of the eye focuses light and allows to see the object.

e) **Retina**- it is like a screen where image of an object is formed

VI. Think and answer:-

1) Why is it impossible to sneeze with your eyes open?

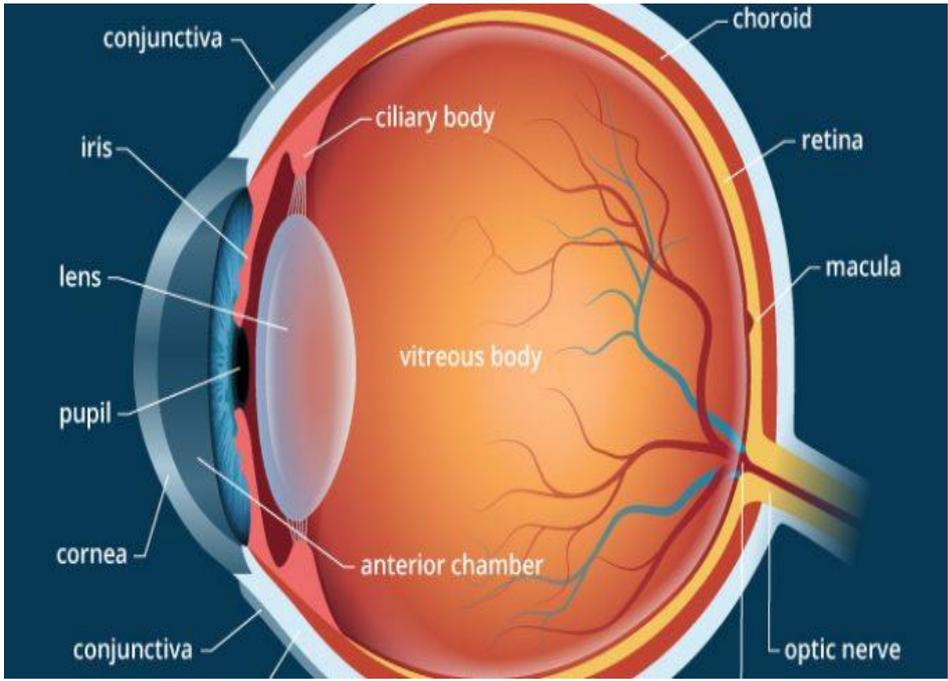
Ans 1. It is impossible to sneeze with open eyes because the nerves in the eye are inter connected to the nerves present in the nose.

2) Why should we not rub eye with dirty hands?

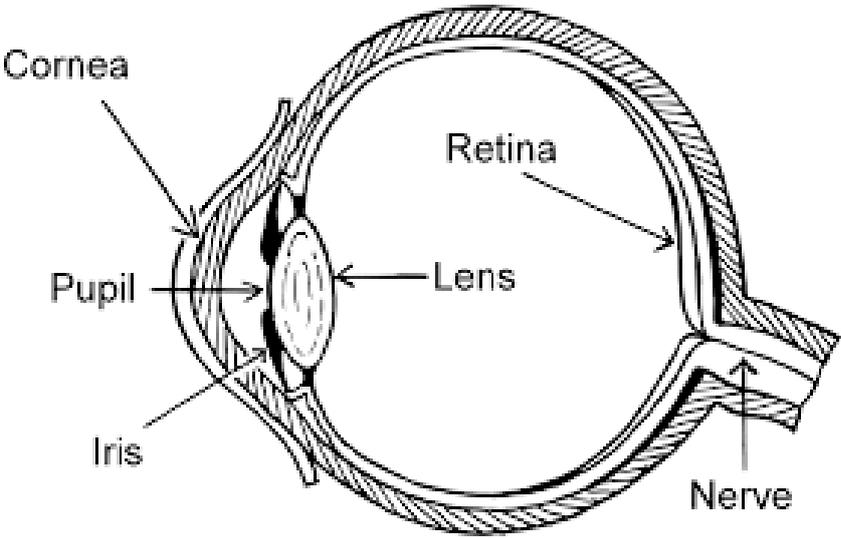
Ans 2. We should not rub our eye with dirty hands because it may cause infection.

VII. Draw a well labelled diagram of:

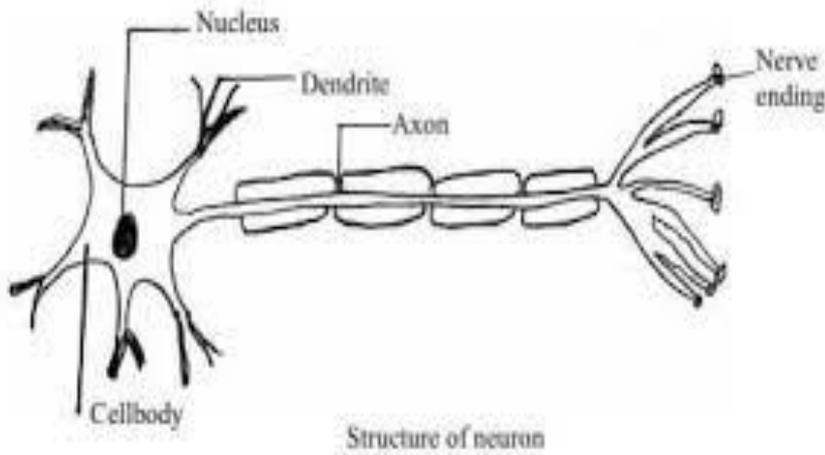
1) Structure of eye



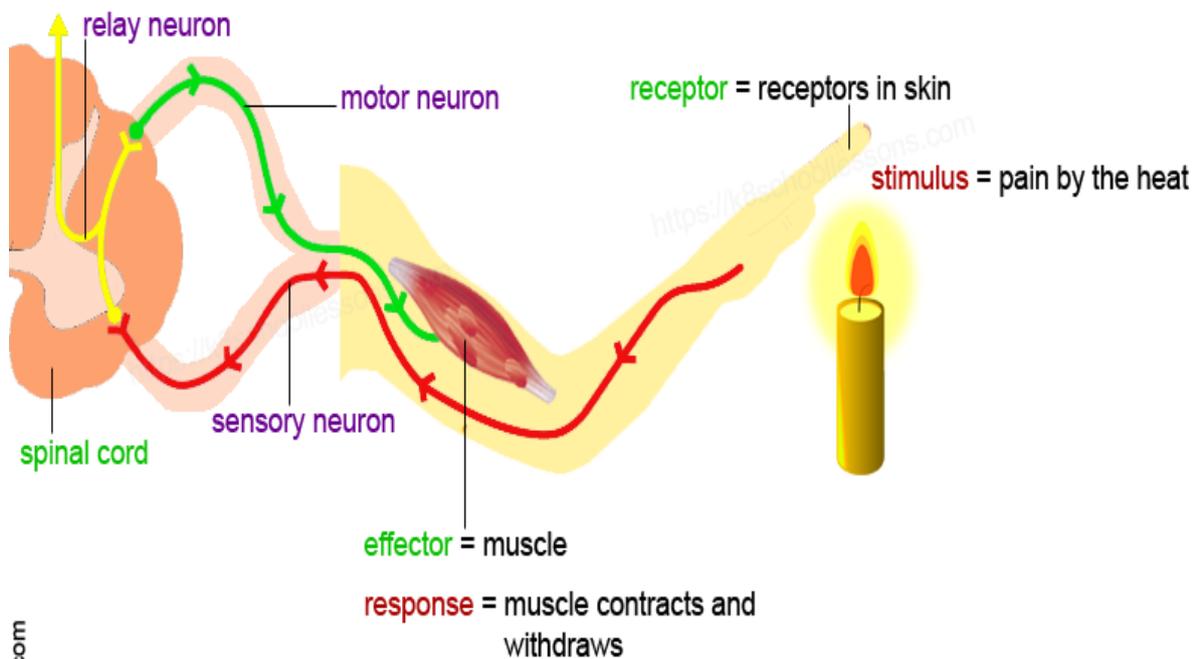
OR



2) Structure of Neuron



3) Reflex arc



Reflex Arc

The pathway of a reflex action

VIII. Points to remember:-

*The nervous system consists of the brain, spinal cord and a network of nerves.

*The brain consists of three parts cerebellum, cerebrum, and medulla oblongata each part performs different function.

*The brain is the control centre of all activities that happen in our body.

*There are three kinds of nerves motor nerves, sensory nerves and mixed nerves.

*Reflex actions are automatic reaction of the body they are controlled by the spinal cord.

*Our sense organs eye, ears, nose, tongue and skin give us information about our surroundings.