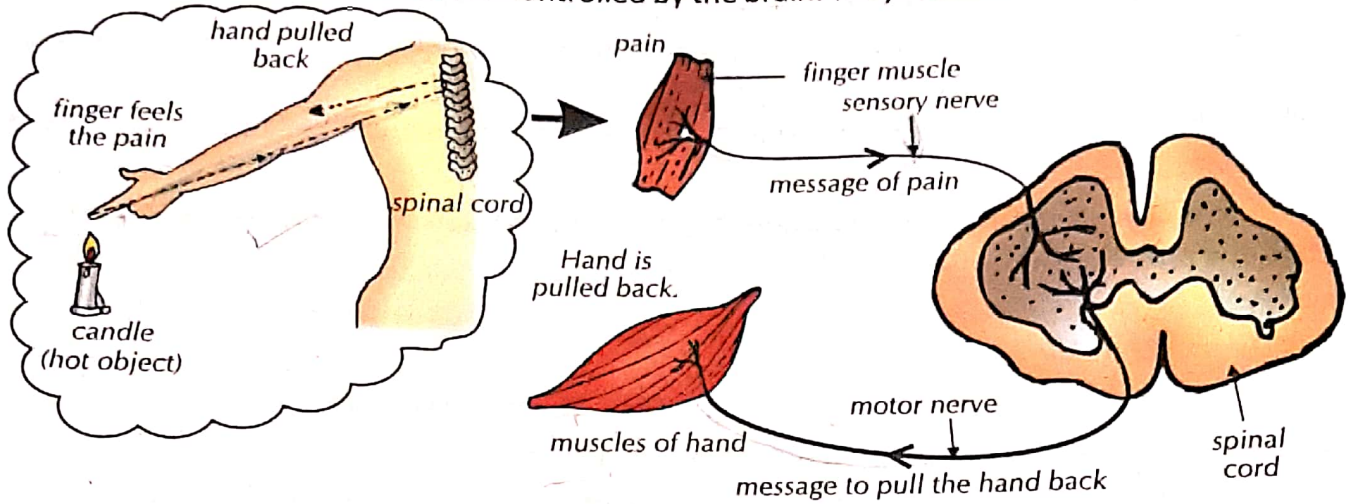


muscles to tighten up. Thus, we pull our hand away from the hot object before any feeling of pain. These types of actions are not controlled by the brain. They are controlled by the spinal cord.



How messages are sent and received

Some other examples of reflex action are coughing, sneezing, blinking, watering of mouth on looking at some tasty food, etc.

Multiple Choice Questions (MCQs)

Tick (✓) the correct answers:

- Nerves that carry messages from the brain to the different parts of the body are called

(a) sensory nerves.	<input type="radio"/>	(b) motor nerves.	<input type="radio"/>	(c) mixed nerves.	<input checked="" type="radio"/>
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- All movements of our body are controlled by

(a) brain.	<input type="radio"/>	(b) spinal cord.	<input checked="" type="radio"/>	(c) muscles.	<input type="radio"/>
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- The largest part of the brain is

(a) cerebellum.	<input type="radio"/>	(b) cerebrum.	<input checked="" type="radio"/>	(c) medulla oblongata.	<input type="radio"/>
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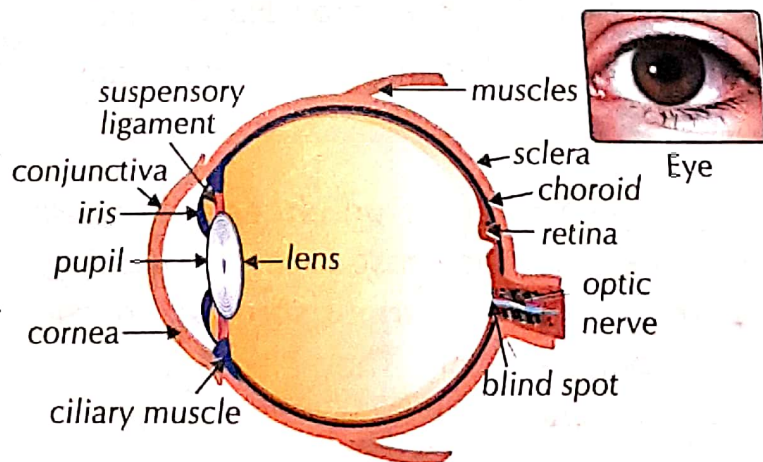
SENSE ORGANS

The organs which connect us to the outside world are called sense organs. Eyes, nose, ears, tongue and skin are five sense organs. They help us see, smell, hear, taste and feel, respectively.

Eyes

Eyes are the sense organs of sight. We see various things with the help of eyes. Our eyes are very sensitive.

- Eyes are like a round ball and fit into the sockets of the skull. Eyebrows and eyelashes protect our eyes from sweat and dirt.
- The front part of the eye is protected by a transparent covering called cornea.



Structure of the eye

KEY WORDS

- Brain** : the control centre of the body
Sense organs : the organs which connect us to the outside world
Spinal cord : a thick cord of nerve tissue that extends down from the brain
Reflex action : the automatic response of the body to an event



Points to Remember

- ▶ The nervous system consists of the brain, spinal cord and a network of nerves.
- ▶ The brain consists of three parts-cerebrum, cerebellum and medulla oblongata. Each part performs different function.
- ▶ The brain is the control centre of all the activities that happen in our body.
- ▶ There are three kinds of nerves-sensory nerves, motor nerves and mixed nerves.
- ▶ Reflex actions are automatic reactions of the body. They are controlled by the spinal cord.
- ▶ Our sense organs (eyes, ears, nose, tongue and skin) give us information about our surroundings.

Exercises

SECTION - A

Class Response

A Oral Questions:

1. Which part of our body protects our brain?
2. How many types of taste buds are there in tongue?

B Science Quiz:

1. Name three main parts of the nervous system.
2. Name the nerves which help in carrying the messages from the brain to different body parts.
3. Which part of the brain is called centre of intelligence?

Worksheet

A Multiple Choice Questions (MCQs):

1. The nerves which carry messages to the brain as well as bring orders from the brain, are called
(a) sensory nerves. (b) motor nerves. (c) mixed nerves.

2. Which part of the brain controls involuntary actions of our body?
(a) cerebrum (b) cerebellum (c) medulla oblongata

3. Which sense organ helps us to know the taste of food?
(a) ears (b) tongue (c) eyes

B. Circle the odd one. Give reason for your choice:

1. cerebellum

liver

cerebrum

2. nose

skin

leg

3. spinal cord

nerves

heart

C. Fill in the blanks:

1. The Cerebellum part of the brain controls our muscular activities. (cerebellum/cerebrum)

2. Skin is/are the sense organ of touch. (Eyes/Skin)

3. To clean a blocked nose, we must inhale Steam. (steam/perfume)

4. The nerves bring messages to the brain. (veins/nerves)

SECTION - B

A. Multiple Choice Questions (MCQs) Scientific/Practical skills:

1. When we get the smell of some tasty food, our mouth gets watered because of _____.

(a) reflex action (b) muscular action (c) relaxation

2. Food tastes better when we can _____ it.

(a) feel (b) see (c) smell

B. Very Short Answer Questions:

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

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

3. What is the function of cornea?

C. Short Answer Questions:

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

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

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

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.