

St. Andrews Scots School

Adjacent Navniti Apartment, Patparganj, Delhi-92

Session: 2026 –2027

SUBJECT- SCIENCE

Class: V Topic: The Nervous System Lesson No: 4

- **Reading of the chapter**
- **Explanation (will be done in class) Book**

Exercises

Checkpoint 1

State True or False

1. False
2. False
3. True
4. False
5. True

Checkpoint 2

Fill in the blanks

1. Eyelids, eyelashes
2. Middle
3. Nerve
4. Sweat
5. Filter

Exercises

A. Fill in the blanks

1. Cerebrum
2. Cerebellum
3. Cell body, dendrites, axon
4. Pupil

5. Motor

B. Name the following

1. Cerebrum
2. Reflex action
3. Cornea
4. Olfactory nerve
5. Optic nerve
6. Iris
7. Vertebral column

C. Tick the correct answer

1. Eyes
2. Both (b) and (c)
3. Iris
4. Pinna
5. Auditory nerve

Learn Defines from page no 50

Notebook work

Write any 10 New words

D. Answer the following questions

1. What are the functions of the nervous system?

Ans. Nervous system makes us aware of our surroundings. It controls and coordinates the working of all the other systems of the body.

2. Name the three types of nerves. What functions do these nerves perform?

Ans. Three types of nerves are sensory nerves, motor nerves and mixed nerves.

- (a) Sensory nerves carry messages from the sense organs to the spinal cord and brain.
- (b) Motor nerves carry messages from the brain and spinal cord to the muscles and glands.
- (c) Mixed nerves carry messages to the brain and spinal cord and also bring messages from the brain and spinal cord.

3. Explain reflex action with the help of an example.

Ans. An action that happens automatically without our thinking is called reflex action. For example, when we touch a hot object, the sensory nerves from skin convey the message of hotness to the spinal cord. The spinal cord sends instructions through motor nerves to the muscles of hand to withdraw the hand.

4. What are the three main parts of our ears?

Ans. The three main parts of our ears are external ear, middle ear and internal ear.

5. How can you take care of your eyes?

Ans. We can take care of the eyes as follows:

- (a) Clean your eyes with cold water everyday.
- (b) Do not read in moving vehicles.
- (c) Do not read in dim or very bright light.
- (d) Do not watch television for long, and sit at least ten feet away from it.
- (e) Do not rub eyes with dirty hands.
- (f) Do not use mobile phone, iPad and laptop for too long.

6. Name the different parts of the eye. What are their functions?

Ans. Different parts of the eye and their functions are as follows:

- (a) Cornea: Light enters the eye through cornea.
- (b) Iris: It controls the amount of light that enters our eyes and gives colour to the eyes.
- (c) Pupil: It is an opening through which light enters.
- (d) Optic Nerve: This nerve carries messages from the eye to the brain.

7. How can we take care of our ears?

Ans. We can take care of ears as follows:

- (a) Avoid hearing loud music.
- (b) Consult a doctor in case of earache.
- (c) Never use a matchstick or a hairpin to clean ears. (d) Use earbuds to clean ears regularly.

8. How can we take care of our skin?

Ans. We can take care of skin as follows:

- (a) Bathe daily. This removes dirt and sweat from the skin.
- (b) Wear clean and comfortable clothes. Very tight fitted clothes do not allow fresh air to pass through them when the weather is warm.
- (c) An antiseptic cream or lotion should be applied to a cut or a scratch on skin to avoid infection.

Give reasons (Think Zone)

1. Why should a pin not be used to clean the ears?

Ans. Using a pin to clean the ears can damage the eardrum. Also, it can lead to infections.

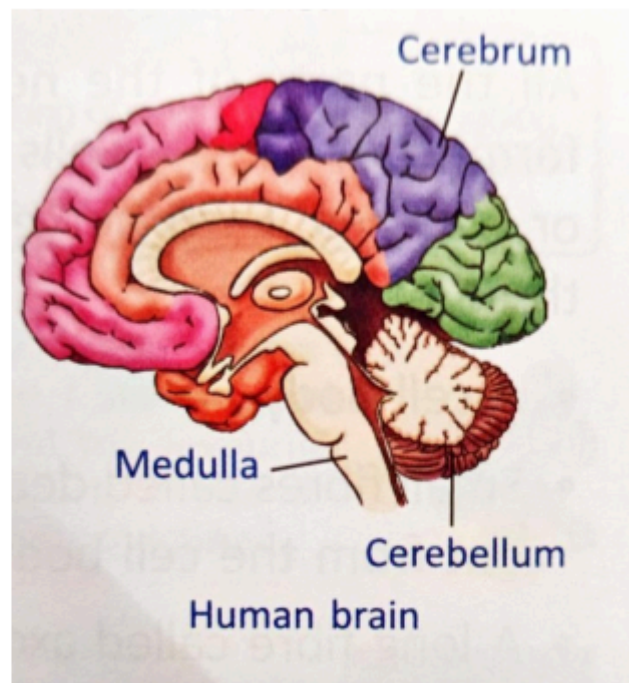
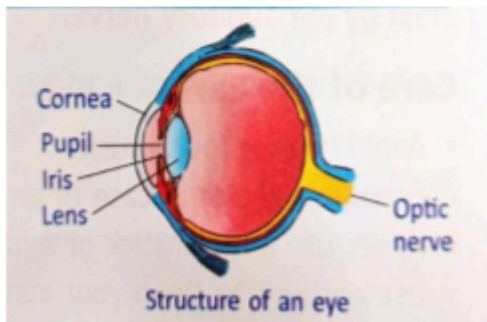
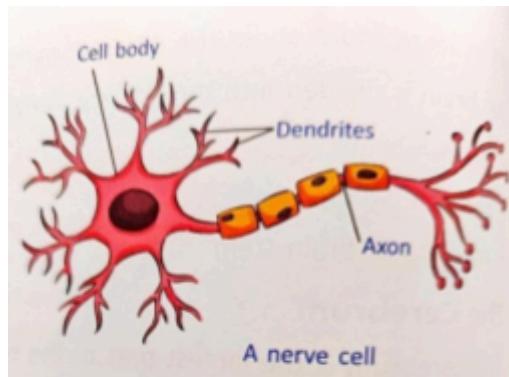
2. What will happen if the cerebrum of a person gets affected?

Ans. If the cerebrum of a person gets affected, he will not be able to think, learn, remember, speak, feel, decide and remember the things.

Diagrams

Draw the following diagrams :

- 1. A nerve cell
- 2. Structure of an eye
- 3. Human brain



Dictation

Any 10 New words