

India's Number 1 Education App

## **BIOLOGY**

## **BOOKS - ICSE**

## HUMAN BODY: THE NERVOUS SYSTEM

Questions Correct The Following False Statements By Changing The First Or Last Word S 1. Receptors are organs in the body, which

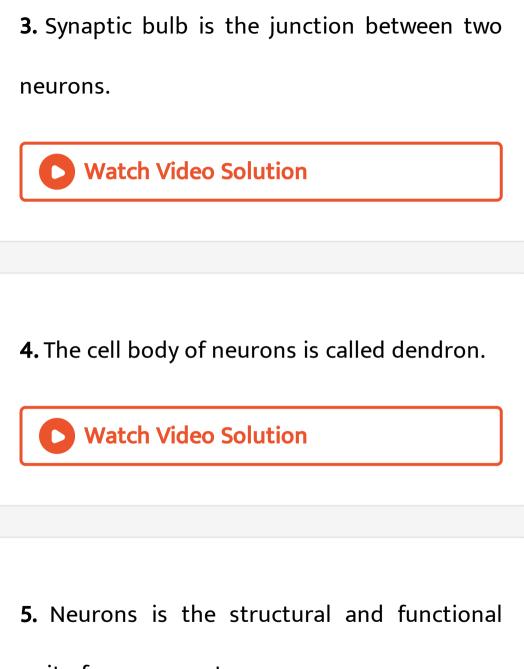
bring about response.

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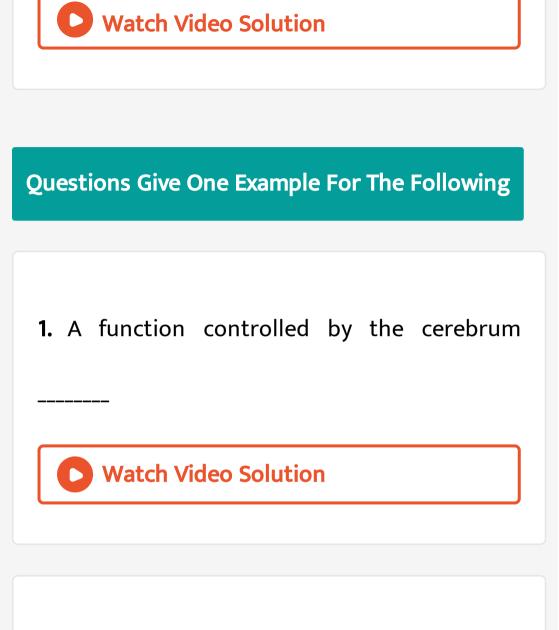
2. Bundles of axons enclosed by a tubular

sheath make the neuron.





unit of nervous system.



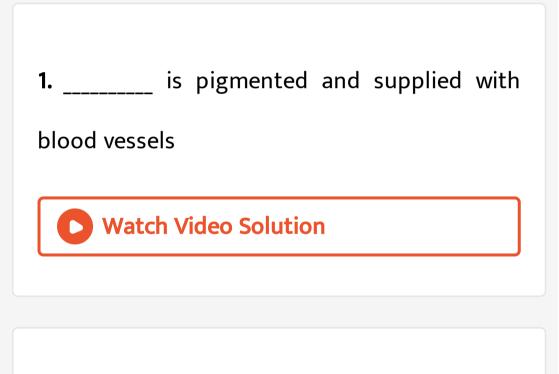
**2.** A function controlled by the medulla oblongata \_\_\_\_\_



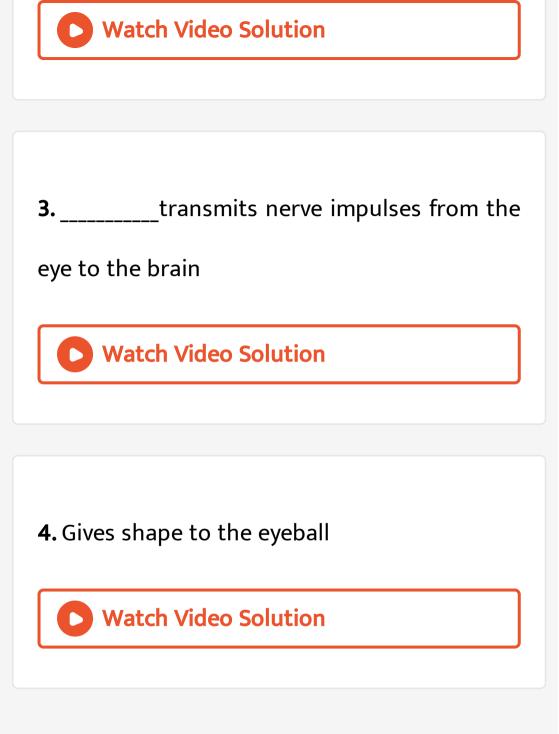
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<b>3.</b> An acquired reflex
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<b>4.</b> An inborn reflex
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<b>5.</b> An organ of nervous system

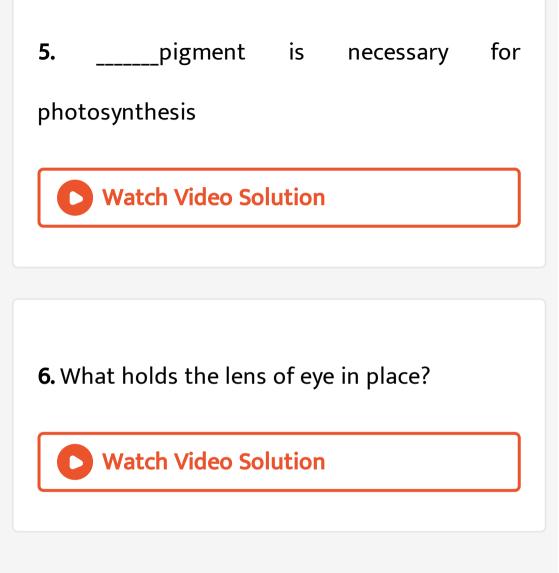


## Questions Observe The Figure And Answer The Questions



**2.** Name the largest and the smallest bone present in human body.





**Exercises Section I Name The Following** 

1. Part of neuron that receives stimulus from

other neuron and transmits it as impulse to

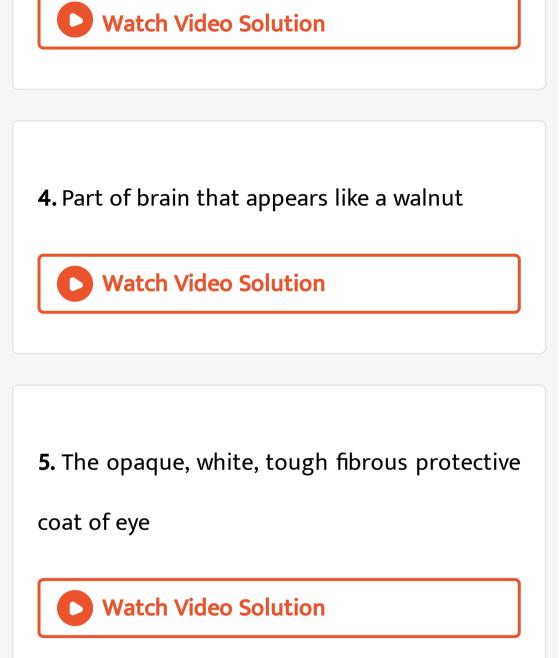
cyton



2. Membranous covering of brain



3. The reflex centre of body



6. Collective term for the three bones that

make up the middle ear

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7. Sense organ that is also a part of the

respiratory system

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**Exercises Section I Choose The Correct Option** 

1. Which of the following is responsible for

controlling heart beat?

A. Cerebrum

B. Medulla

C. Cranial nerve

D. Cerebellum

**Answer:** 

2. The chemical present in synaptic bulb is

A. enzyme

B. neurotransmitter

C. hormone

D. cerebrospinal fluid

Answer:

**3.** Which of the following co-ordinates muscular activity?

A. Cerebrum

B. Cerebellum

C. Medulla

D. Spinal cord

#### Answer:

4. Electrical signals sent by nerve cells to

different parts of the body are called

A. reflex action

B. message

C. impulse

D. reflex arc

Answer:

5. A long projection of nerve cell arising from

cyton is called

A. dendron

B. dendrite

C. axon

D. neuron

**Answer:** 

Exercises Section I True Or False Correct The False Statements By Changing The Last Word S Only

#### 1. Refex action is controlled by

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## 2. Cell bodies of neurons are called white

matter.



3. Motor neuron transmits message from

brain to sense organs.



4. Cerebrum is the seat for functions such as

intelligence and memory.

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5. Rods are sensitive to bright light.





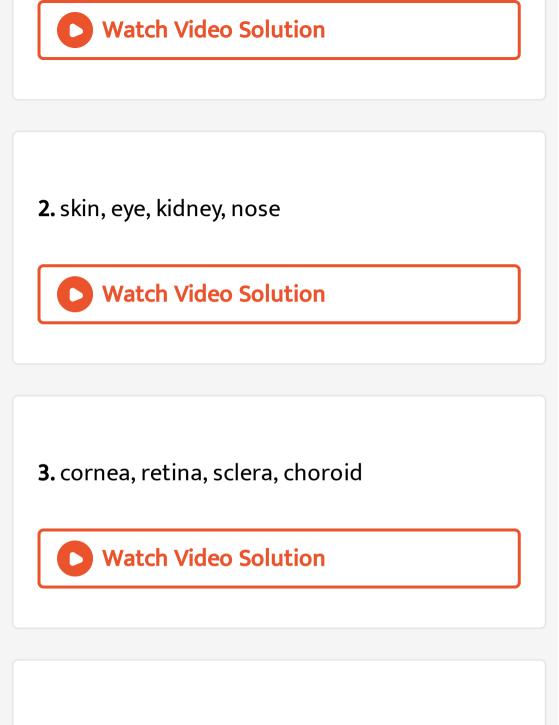


**1.** What is the function of iris?

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### Exercises Section I Choose The Odd One Out And Give Reasons For Your Choice

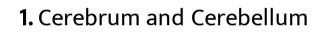
1. axon, gray matter, dendrite, nucleus



4. hammer, anvil, pinna, stirrup



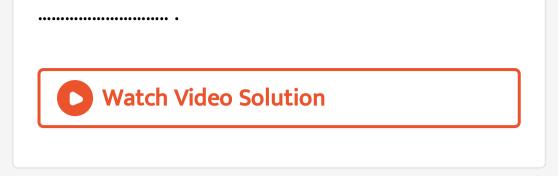
## Exercises Section I State The Exact Locations Of The Following





2. Meninges around the brain from outer to

inside are ..... and



#### 3. Differentiate between : Cerebrum and Spinal

cord (Arrangement of nerve cell)

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#### 4. Q) Eustachian tube connects



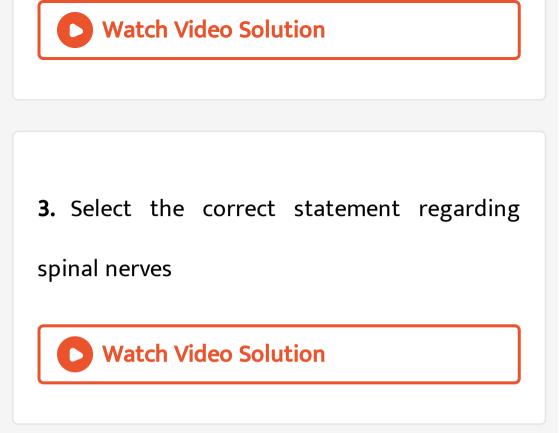


#### **Exercises Section Ii Explain The Following Terms**

1. Nervous System







## 4. The part of internal ear responsible for

hear- ing is

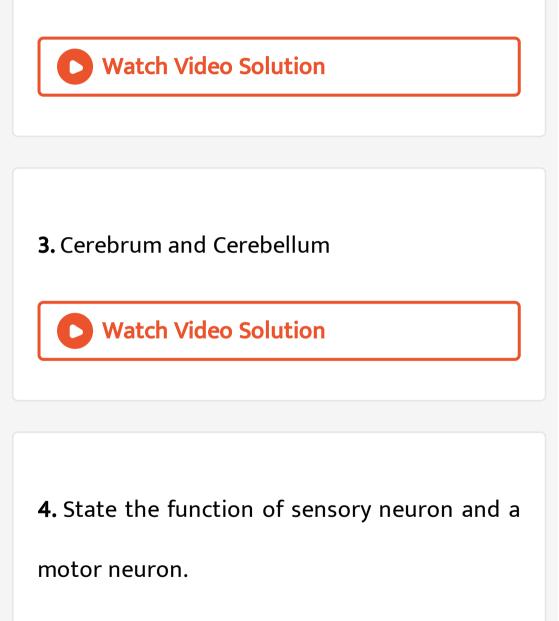
#### 5. Taste buds contain



Exercises Section Ii Differentiate Between The Following On The Basis Of What Is Given In The Bracket

1. Response and stimulus (example)

2. Brain and spinal cord (location)



#### 5. Outer ear and middle ear (parts)



# Exercises Section Ii Give Reasons For The Following

**1.** Brain is the control centre of body.

2. Give biological reasons for the following :

Injury to Medulla oblongata results in death.

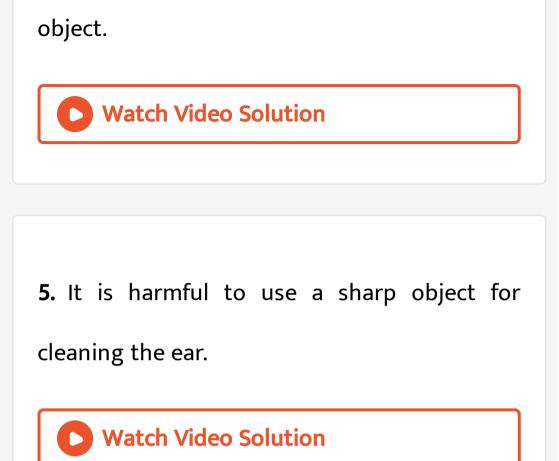
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**3.** A person after consuming alcohol walks clumsily. Give scientific reasons.

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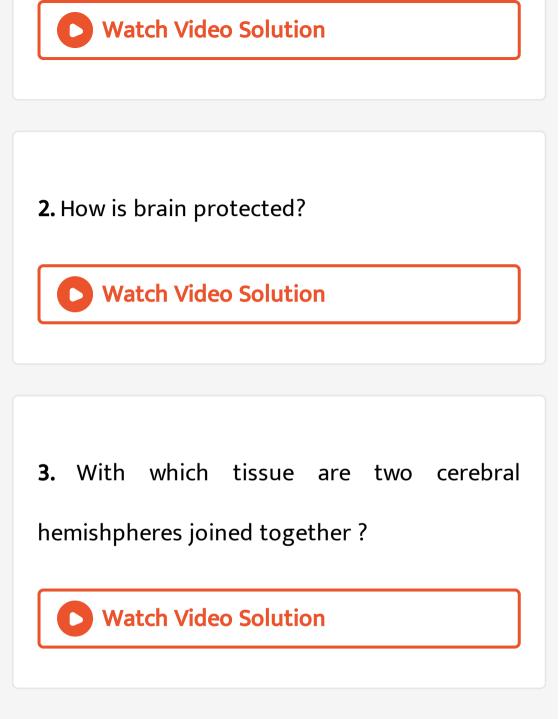
4. What is reflex arc? Draw a labelled diagram

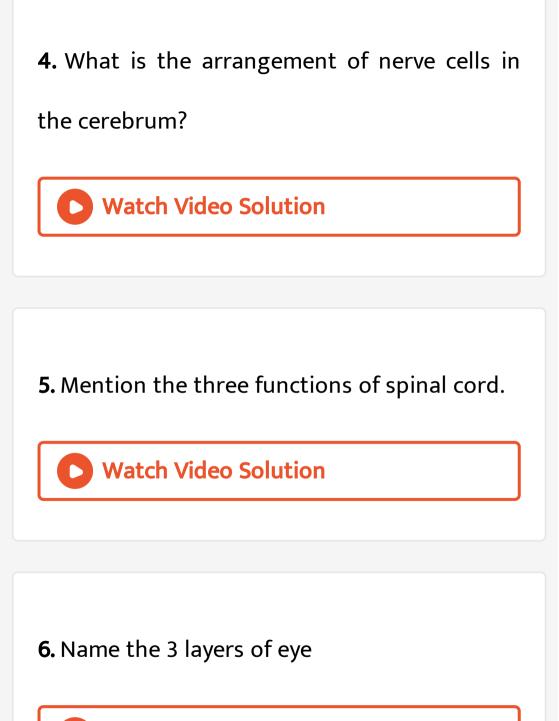
to show reflex arc on touching a very hot



Exercises Section Ii Short Answer Questions

**1.** Discuss the structure of a neuron.





Exercises Section li Long Answer Questions

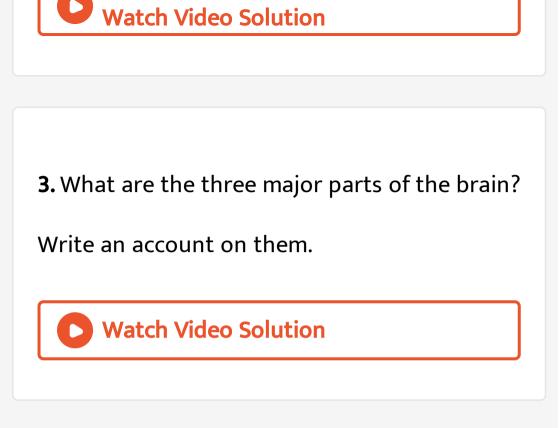
1. Define a nerve and explain the three

different kinds.

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**2.** With the help of a suitable diagram, describe the structure and function of a neuron.

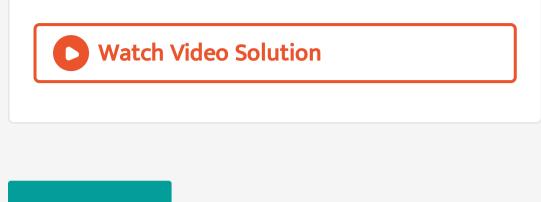




4. Draw a labelled diagram of the structure of

the eye.





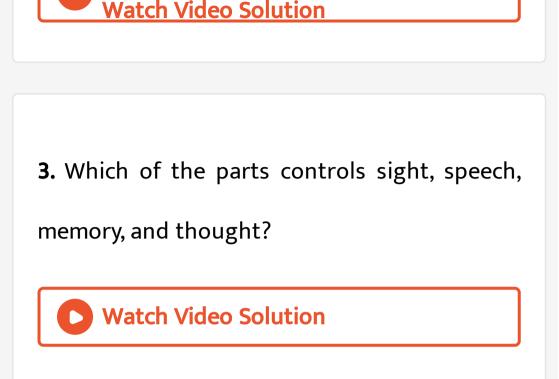
#### **Picture Study**

1. What is the function of eye lens?

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2. Differentiate between Tendon and ligament

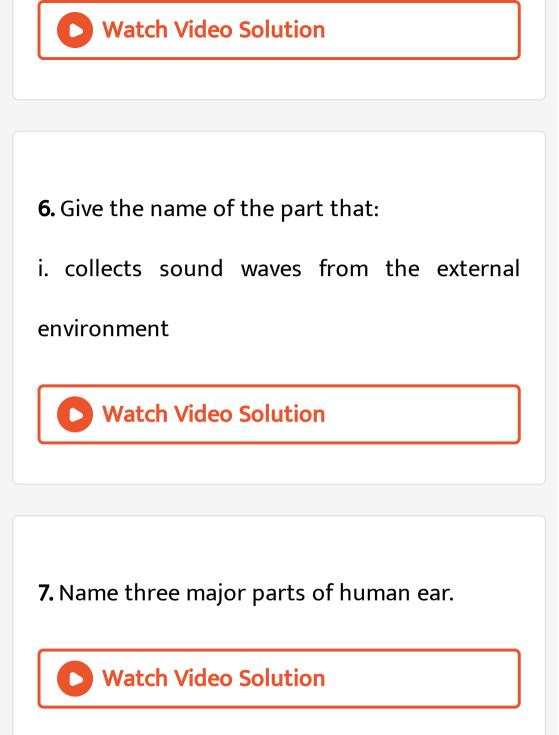




#### **4.** State the functions of the ear.



**5.** What is the function of endocrine gland?



8. Name three parts of brain.

