



BIOLOGY

NCERT - NCERT Biology(Tamil)

STRUCTURAL ORGANISATION OF ANIMALS

**Textbook Evaluation | Choose The Correct
Answer**

1. In leech locomotion is performed by

A. Anterior sucker

B. Posterior sucker

C. Setae

D. None of the above

Answer:



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2. The segments of leech are known as

A. Metameres (somites)

B. Proglottids

C. Strobila

D. All the above

Answer:



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3. Pharyngeal ganglion in leech is a part of

A. Excretory system

B. Nervous system

C. Reproductive system

D. Respiratory system

Answer:



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4. The brain of leech lies above the

A. Mouth

B. Buccal Cavity

C. Pharynx

D. Crop

Answer:



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5. The body of leech has

A. 23 segments

B. 33 segments

C. 38 segments

D. 30 segments

Answer:



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6. Mammals are _____ animals

A. Cold blooded

B. Warm blooded

C. Poikilothermic

D. All the above

Answer:



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7. The animals which give birth to young ones are

- A. Oviparous
- B. Viviparous
- C. Ovoviviparous
- D. All the above

Answer:



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Textbook Evaluation li Fill In The Blanks

1. The posterior sucker is formed b y th e fusion of the _____ segments.



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2. The existence of two sets of teeth in the li fe of an animal is called _____ dentition.



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3. The anterior end of leech has a lobe-like structure called _____ .



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4. The blood sucking habit of leech is known as _____ .



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5. _____ separate nitrogenous waste from the blood in rabbit.



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6. _____ spinal nerves are present in rabbit.



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Textbook Evaluation iii Identify Whether The Statements Are True Or False Correct The False Statement

1. An anticoagulant present in saliva of leech is called heparin.



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2. The vas deferens serves to transport the ovum.



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3. The rabbit has a third eyelid called tympanic membrane which is movable.



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4. Diastema is a gap between premolar and molar teeth in rabbit.



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5. The cerebral hemispheres of rabbit are connected by band of nerve tissue called corpora quadrigemina.



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Textbook Evaluation V Answer In A Sentence

1. Give the common name of the Hirudinaria granulosa.



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2. How does leech respire?



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3. Write the dental formula of rabbit.



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4. How many pairs of testes are present in leech?





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5. How is diastema formed in rabbit?



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6. What organs are attached to the two bronchi?



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7. Which organ acts as suction pump in leech?



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8. What does CNS stand for



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9. Why is the teeth of rabbit called heterodont?



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10. How does leech suck blood from the host?



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Textbook Evaluation Vi Short Answer Questions

1. Why are the rings of cartilages found in trachea of rabbit?



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2. List out the parasitic adaptations in leech.



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Textbook Evaluation Vii Long Answer Questions

1. How is the circulatory system designed in leech to compensate the heart structure?



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2. How does locomotion take place in leech?



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3. Explain the male reproductive system of rabbit with a labelled diagram.



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Textbook Evaluation Viii Higher Order Thinking Skills Hots

1. Arjun is studying in tenth standard. He was down with fever and went to meet the doctor. As he went to the clinic he saw a patient undergoing treatment for severe leech bite. Being curious, Arjun asked the doctor why leech bite was not felt as soon as it attaches to the skin? What would have been the reply given by the doctor?



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2. Shylesh has some pet animals at his home. He has few rabbits too. One day while feeding them he observed something different with the teeth. He asked his grandfather, why is it so? What would have been the explanation of his grandfather?



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Textbook Evaluation Ix Value Based Questions

1. Leeches do not have an elaborate secretion of digestive juices and enzymes - Why?



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2. How is the digestive system of rabbit suited for herbivorous mode of feeding?



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