



BIOLOGY

NCERT - NCERT BIOLOGY(HINGLISH)

STRUCTURAL ORGANISATION IN ANIMALS

Exercise

1. Answer in one word or one line.

(i) Give the common name of Periplaneta

americana.

(ii) How many spermathecae are found in earthworm?

(iii) What is the position of ovaries in the cockroach?

(iv) How many segments are present in the abdomen of cockroach?

(v) Where do you find malphigian tubules?



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2. Answer the following

(i) What is the function of nephridia?

(ii) How many types of nephridia are found in earthworm based on their location ?



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3. Draw a labelled diagram of the reproductive organs of an earthworm.



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4. Draw a labelled diagram of alimentary canal of a cockroach.



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5. Distinguish between the following

(a) Prostomium and peristomium

(b) Septal nephridium and pharyngeal nephridium



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6. What are the cellular components of blood?



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7. What are the following and where do you find them in animal body

(a) Chondriocytes

(b) Axons

(c) Ciliated epithelium



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8. Describe various types of epithelial tissues with the help of labelled diagrams.



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9. Distinguish between

(a) Simple epithelium and compound epithelium.

(b) Cardiac muscle and striated muscle

(c) Dense regular and dense irregular connective tissues

(d) Adipose and blood tissue

(e) Simple gland and compound gland



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10. Mark the odd one in each series:

(a) Areolar tissue, blood, neuron, tendon

(b) RBC, WBC, platelets, cartilage

(c) Exocrine, endocrine, salivary gland,
ligament

(d) Maxilla, mandible, labrum, antennae

(e) Protonema, mesothorax, metathorax, coxa



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11. Match the terms in column I with those in column II:

| Column I | Column II |
|-----------------------------|----------------------|
| (a) Compound epithelium | (i) Alimentary canal |
| (b) Compound eye | (ii) Cockroach |
| (c) Septal nephridia | (iii) Skin |
| (d) Open circulatory system | (iv) Mosaic vision |
| (e) Typhlosole | (v) Earthworm |
| (f) Osteocytes | (vi) Phallomere |
| (g) Genitalia | (vii) Bone |

[Answer 11:](#)



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12. Mention briefly about the circulatory system of earthworm



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13. Draw a neat diagram of digestive system of frog.



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14. Mention the function of the following

- (a) Ureters in frog
- (b) Malpighian tubules
- (c) Body wall in earthworm



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