

Chapter – 4 | Animal Kingdom

QUIZ-01

1. Which animals show cellular level of organisation?

- A. Coelenterates B. Sponges
C. Annelids D. Chordates (B)

Explanation : Sponges have cells arranged as loose aggregates, so they show cellular level of organisation.

2. A body cavity lined by mesoderm is called:

- A. Pseudocoelom
B. Acoelom
C. Coelom
D. Mesoglea (C)

Explanation : True coelom is a body cavity present between the body wall and gut wall and lined by mesoderm.

3. Cnidoblasts are the characteristic cells of:

- A. Porifera B. Cnidaria
C. Ctenophora D. Platyhelminthes (B)

Explanation : Cnidarians possess cnidoblasts or cnidocytes, which help in anchorage, defence and prey capture.

4. Comb plates used for locomotion are found in:

- A. Ctenophora
B. Mollusca
C. Annelida
D. Echinodermata (A)

Explanation : Ctenophores have eight external rows of ciliated comb plates that help in locomotion.

5. Flame cells help in excretion and osmoregulation in:

- A. Aschelminthes
B. Platyhelminthes
C. Arthropoda
D. Mollusca (B)

Explanation : Flatworms have specialised flame cells for osmoregulation and excretion.

6. Which phylum includes roundworms?

- A. Annelida B. Platyhelminthes
C. Aschelminthes D. Porifera (C)

Explanation : Aschelminthes are called roundworms because their body is circular in cross-section.

7. The largest phylum of Animalia is:

- A. Mollusca
B. Arthropoda
C. Chordata
D. Annelida (B)

Explanation : Arthropoda is the largest animal phylum and includes insects.

8. Radula is a feeding organ found in:

- A. Mollusca
B. Echinodermata
C. Porifera
D. Cnidaria (A)

Explanation : Molluscs have a file-like rasping organ called radula for feeding.

9. Water vascular system is the distinctive feature of:

- A. Arthropoda
B. Mollusca
C. Echinodermata
D. Hemichordata (C)

Explanation : Echinoderms possess a water vascular system that helps in locomotion, food capture and respiration.

10. Which statement is correct about vertebrates?

- A. All chordates are vertebrates
B. All vertebrates are chordates
C. Vertebrates lack notochord
D. Vertebrates have open circulation (B)

Explanation : All vertebrates are chordates, but all chordates are not vertebrates because some chordates lack a vertebral column.