

## Animal Kingdom

1. **Body having meshwork of cells, internal cavities lined with food filtering flagellated cells and indirect development are the characteristics of Phylum**

- A. Porifera
- B. Coelenterata
- C. Protozoa
- D. Mollusca

**Answer – A**

2. **The phylum Platyhelminthes includes animals such as**

- a) Earthworms and leeches
- b) Snails and clams
- c) Insects and spiders
- d) Flatworms

**Answer – D**

3. **The phylum Porifera includes animals commonly known as**

- a) Jellyfish
- b) Sponges
- c) Corals
- d) Sea anemones

**Answer – B**

4. **Which of the following is NOT a characteristic of the phylum Cnidaria?**

- a) Radial symmetry
- b) Presence of stinging cells
- c) Presence of a nerve net
- d) Closed circulatory system

**Answer – D**

5. **The body cavity of the phylum Platyhelminthes is**

- a) Acoelomate
- b) Pseudocoelomate
- c) Eucoelomate
- d) None of the above

**Answer – A**

6. **Which of Following Statements are incorrect**

- 1. Choanocytes or collar cells line the spongocoel and the canals
- 2. Sexes are separate in Porifera

3. Ctenophora have a central gastro-vascular cavity with a single opening, mouth on hypostome
4. Flatworms are bilaterally symmetrical, triploblastic and acoelomate animals
- A) 1 & 2            B) 2 & 3  
C) 3 & 4            D) 2, 3 & 4

Answer – B

**7. Match the following columns**

Column 1

- a) Taenia  
b) Portuguese man-of-war  
c) Pleurobrachia  
d) Euspongia

Column 2

1. Porifera  
2. Coelenterata  
3. Ctenophora  
4. Platyhelminthes

- A) a-1,b-3,c-4,d-2  
B) a-4,b-2,c-3,d-1  
C) a-4,b-3,c-2,d-1  
D) a-1,b-2,c-3,d-4

Answer – B

**8. The phylum Porifera lacks**

- a) Nervous system  
b) Reproductive system  
c) Digestive system  
d) Circulatory system

Answer – A

**9. Which of the following is found in sponges only?**

- (a) mesoglea  
(b) nerve cells  
(c) one exit  
(d) numerous inlets

Answer – D

**10. Which of the following does not have a medusa stage?**

- (a) jellyfish  
(b) hydra  
(c) obelia  
(d) corals

Answer – B

**11. Excretion in flatworms is by**

- (a) malpighian tubule  
(b) nephridia  
(c) flame cells  
(d) nephrons

Answer – C

**12. The radially symmetrical, diploblastic animals belong to the phylum**

- (a) Porifera
- (b) Coelenterata
- (c) Platyhelminthes
- (d) Echinodermata

Answer – B

**13. Collar cells are found in**

- (a) Sponges
- (b) roundworms
- (c) earthworm
- (d) spider

Answer – A

**14. Skeleton is made up of \_ in Porifera**

- (a) Spicules
- (b) Spongin
- (c) Both a and b
- (d) Chitin

Answer – C

**15. Which of the following is rightly matched?**

- (a) Physalia – Portuguese man of war
- (b) pennatula – sea fan
- (c) Adamsia – sea-pen
- (d) aorgania – sea anemone

Answer – A

**16. The body bears \_ external rods of ciliated comb plates in pleurobrachia**

- (a) Eight
- (b) Four
- (c) Ten
- (d) Sixteen

Answer – A

**17. The function of suckers cell in liver fluke**

- (a) Defense
- (b) Reproduction

- (c) Locomotion
- (d) Absorb nutrients

Answer – D

**18. Mesoderm, in between the ectoderm and endoderm, are called triploblastic animals (platyhelminthes to \_\_\_\_\_)**

- a) Cnidaria
- b) Ctenophora
- c) Porifera
- d) Chordates

Answer – D

**19. \_\_\_\_\_ are used for anchorage, defense and for the capture of prey**

- a) Hypostome
- b) Corals
- c) Cnidoblasts
- d) Comb plates

Answer - C

**20. Platyhelminthes possess high regeneration capacity in \_\_\_\_\_**

- a) Brain coral
- b) Gorgonia
- c) Planaria
- d) Scypha

Answer - C

**21. Select the correct statements**

1. Sponges are mostly symmetrical
2. In earthworm, the body shows this pattern called Metameric segmentation
3. Water enters through minute pores (ostia) in the body wall into a central cavity in Porifera

A) 1 & 2

B) 1 & 3

C) 2 & 3

D) All of these

Answer - C

**22. The body of the tapeworm is said to be**

- (a) unsegmented
- (b) pseudo segmented
- (c) metamerically segmented
- (d) none of these

**Answer - B**

**23. Which of the following feature can't be associated with phylum ctenophora (sea walnut)?**

1. Exclusively marine, radially symmetrical
2. Shows bioluminescence (the property of a living organism to emit light)
3. Body bears eight external rows of ciliary comb plates which help in locomotion
4. Reproduction takes place both by asexual and sexual means

Answer - 4

**24. A true coelom is between**

1. Mesoderm and endoderm

2. Ectoderm and mesoderm
3. Ectoderm and endoderm
4. Body wall and mesoderm

Answer – 3

**25. When any plane of section passing through the central axis of body, divides the organism into identical halves, it is called**

1. Radial symmetry
2. Biradial symmetry
3. Bilateral symmetry
4. Spherical symmetry

Answer – 1

**26. Following are the characteristics of an organisms**

- A. Polyp phase is absent in its life cycle
- B. Radially symmetrical and devoid of cnidoblast cells
- C. The body bears eight external rows of ciliated comp plates, which help in locomotion
- D. Bioluminescence is well marked

Identify the organisms:

1. Ctenoplana
2. Aurelia
3. Physalia
4. Obelia

Answer –

**27. Which of the following is not a matching set of a phylum and its examples?**

1. Porifera - Sycon, Euspongia, Spongilla
2. Cnidaria - Physalia, Meandrina, Pennatula
3. Ctenophora - Pleurobrachia and Ctenoplana
4. None of these

Answer - 4

28. **Mark the characters which are not exclusively found in all flatworms**

1. Dorsoventrally flattened body and acoelomate
2. Both hooks and suckers are present
3. Bilateral symmetry and triploblastic
4. Flame cells for osmoregulation and excretion

Answer - 2

29. **On the basis of which of the following features the sponges can be differentiated from the coelenterates?**

1. Diploblastic body wall
2. Canal system
3. Asexual reproduction by budding
4. Acoelomates

Answer –

30. **Mark the correct statements regarding ctenophores**

- a. Internal fertilization with direct development
- b. Sexes are separate and reproduction only by sexual means
- c. Eight ciliated comb plates and bioluminescence

d. Absence of cnidoblasts and tentacles may or may not be present

1. a & c

2. b & c

3. c & d

4. a & b

**Answer - 3**

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