

Classification of Invertebrate and Vertebrate Phyla

Biology · Answer Key · 28 Questions

1. Which of the following phyla are only mentioned briefly in the module?

- A) Porifera and Cnidaria
- B) Arthropoda and Chordata
- C) Mollusca and Echinodermata**
- D) Nematoda and Annelida

2. What are sponges classified under?

- A) Cnidaria
- B) Mollusca
- C) Arthropoda
- D) Porifera**

3. Jellyfish and corals belong to which phylum?

- A) Porifera
- B) Cnidaria**
- C) Nematoda
- D) Platyhelminthes

4. Which phylum includes flatworms like Planaria?

- A) Annelida
- B) Nematoda
- C) Platyhelminthes**
- D) Mollusca

5. Roundworms are classified under which phylum?

- A) Platyhelminthes
- B) Nematoda**
- C) Annelida
- D) Arthropoda

6. Earthworms and sea worms are examples of which phylum?

- A) Nematoda
- B) Annelida**
- C) Mollusca
- D) Echinodermata

7. Snails, oysters, and octopi belong to which phylum?

- A) Annelida
- B) Mollusca**
- C) Arthropoda
- D) Chordata

8. Insects, spiders, and crustaceans are part of which phylum?

- A) Mollusca
- B) Arthropoda**
- C) Chordata
- D) Echinodermata

9. Starfish and sea urchins are classified under which phylum?

- A) Arthropoda
- B) Chordata
- C) Echinodermata**
- D) Mollusca

10. Fish, amphibians, reptiles, birds, and mammals are all part of which subphylum?

- A) Arthropoda
- B) Chordata
- C) Vertebrata**
- D) Invertebrata

11. The text mentions 'gastro-irnte' which is likely a misspelling related to what system?

- A) Respiratory system
- B) Nervous system
- C) Digestive system**
- D) Circulatory system

12. Animals that show symmetry are categorized under which type of symmetry?

- A) Asymmetry
- B) Radial symmetry**
- C) Bilateral symmetry
- D) Spherical symmetry

13. Which phylum is known for organisms like bilharzia worms and tapeworms?

- A) Nematoda
- B) Platyhelminthes**
- C) Annelida
- D) Mollusca

14. Myriapoda is a group within which larger phylum?

- A) Mollusca
- B) Chordata
- C) Echinodermata

D) Arthropoda

15. Which of these is an example of a vertebrate?

- A) Octopus
- B) Jellyfish
- C) Earthworm

D) Mammal

16. Which of these is an example of an invertebrate?

- A) Fish
- B) Bird

C) Insect

- D) Amphibian

17. The phylum 'Annelida' includes organisms with segmented bodies, such as:

- A) Snails
- B) Starfish

C) Earthworms

- D) Sponges

18. The term 'invertebrates' refers to animals that:

- A) Have a backbone

B) Lack a backbone

- C) Are always microscopic
- D) Live only in water

19. The term 'vertebrates' refers to animals that:

- A) Lack a backbone

B) Have a backbone

- C) Are exclusively marine
- D) Are radially symmetrical

20. Blue bottles are mentioned as an example of which phylum?

- A) Porifera

B) Cnidaria

- C) Nematoda
- D) Annelida

21. Sea anemones are grouped under which phylum?

- A) Cnidaria
- B) Mollusca
- C) Echinodermata
- D) Arthropoda

22. Which phylum contains organisms like snails and mussels?

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

23. Which phylum is characterized by having jointed appendages?

- A) Mollusca
- B) Arthropoda
- C) Echinodermata
- D) Chordata

24. The subphylum 'Vertebrata' belongs to which larger group?

- A) Invertebrates
- B) Arthropods
- C) Mollusks
- D) Chordates

25. Animals that show 'Asymmetry' lack:

- A) A head
- B) A tail
- C) A defined body plan
- D) Limbs

26. Which of the following is NOT listed as an invertebrate phylum in the text?

- A) Porifera
- B) Chordata
- C) Nematoda
- D) Arthropoda

27. The text states that the module goes into more detail on how many other phyla besides Mollusca and Echinodermata?

- A) Four
- B) Five
- C) Six
- D) Seven

28. Which phylum is characterized by a soft body, often protected by a shell?

- A) Annelida
- B) Arthropoda
- C) Mollusca**
- D) Echinodermata