



BIOLOGY

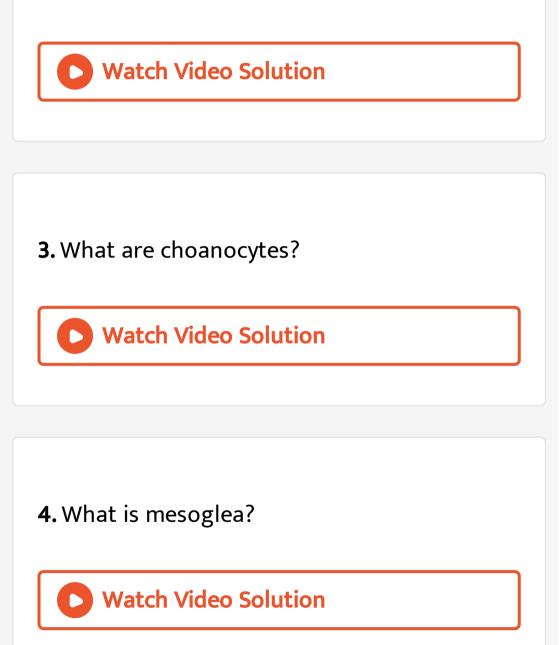
BOOKS - SARAS PUBLICATION

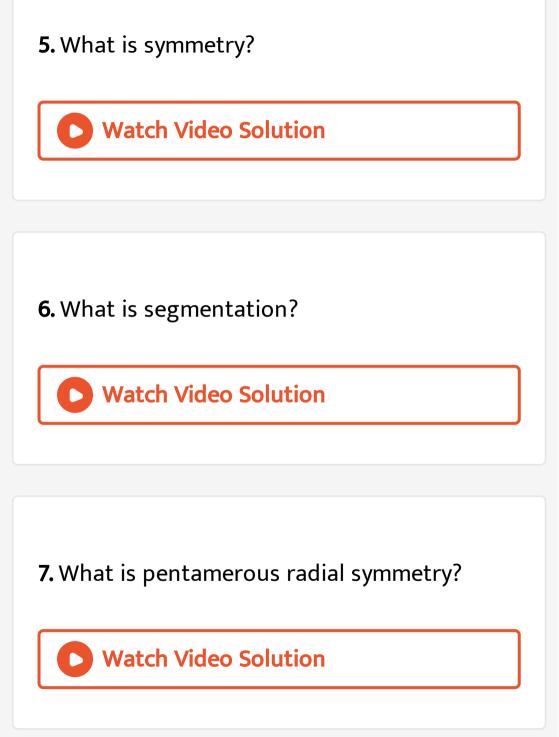
Kingdom Animalia

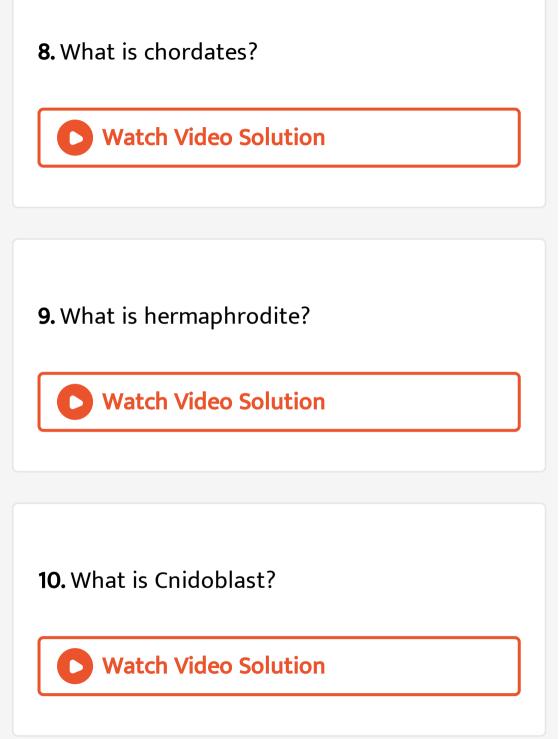


1. What are flame cells?

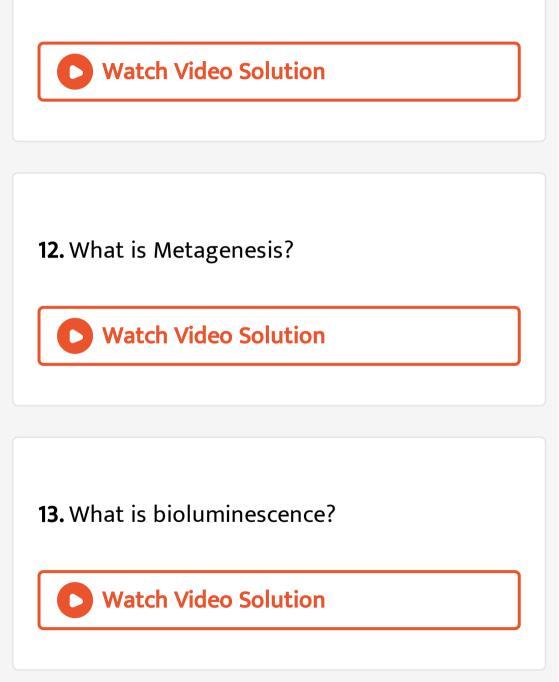
2. What are pinacocytes?

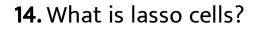


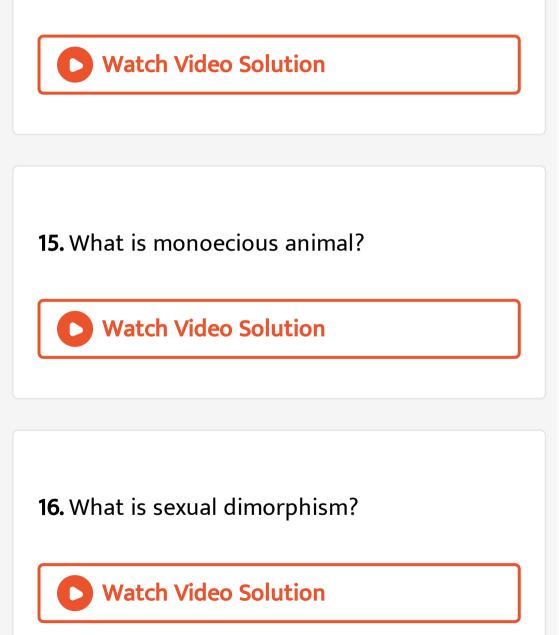




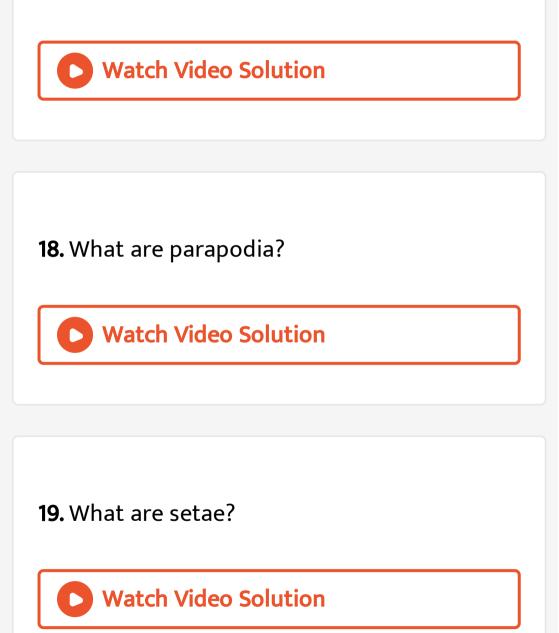
11. What is nematocyst?



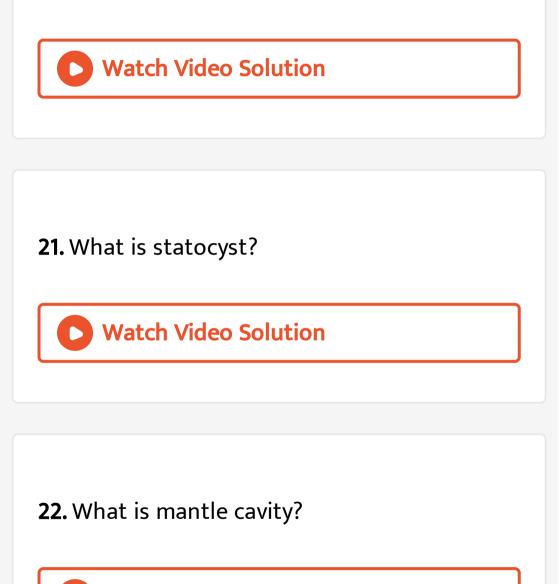




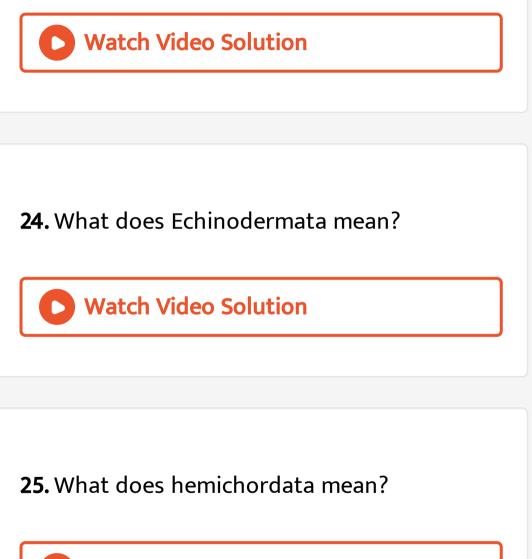
17. What is hydrostatic skeleton?



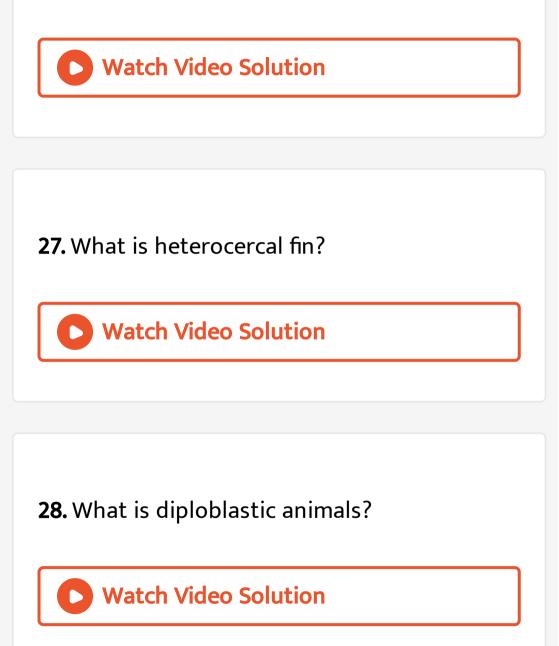
20. What is moulting?



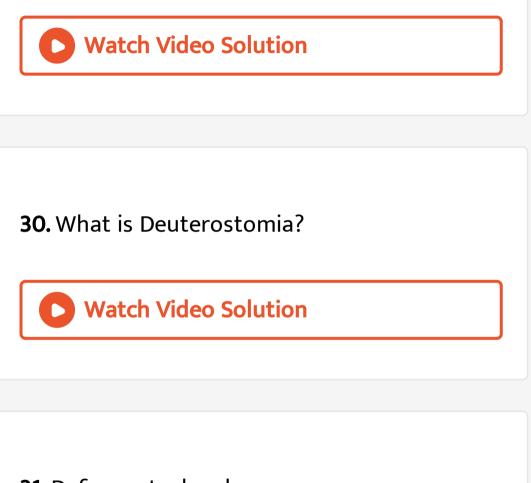
23. What is mantle cavity?



26. What is anadromous migration?



29. What is protostomia?



31. Define notochord.

32. What is radial symmetry?



33. Compare closed and opened circulatory system.

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34. Compare Schizocoelom with Enterocoelom.

35. Differentiate Turtle and Tortoise.

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36. Why are spongin and spicules important to

a sponge?

37. What are the four characteristies common

to most animals?

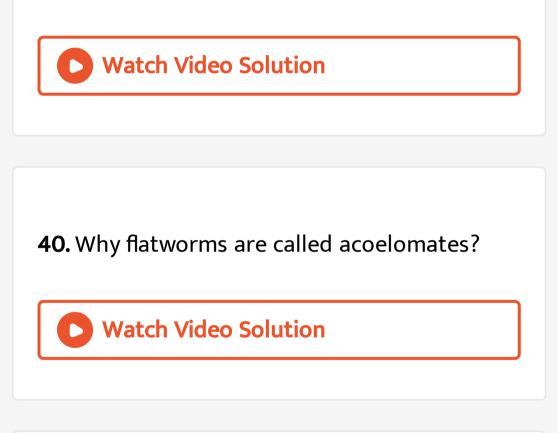
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38. List the features that all vertebrates show

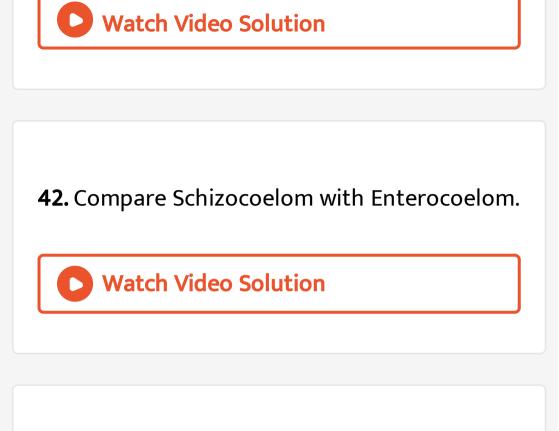
at some point in their development.

39. Identify the structure that the archenteron

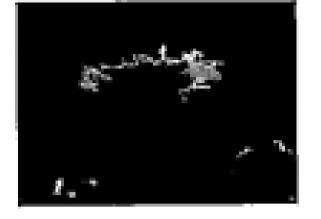
becomes in a developing animal.



41. Compare closed and opened circulatory system.



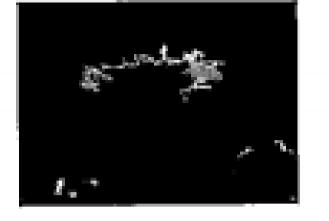
43. Observe the animal below and answer the



Identify the animal

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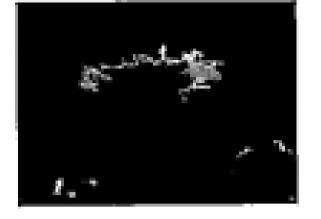
44. Observe the animal below and answer the



What type of symmetry does this animal exhibit?

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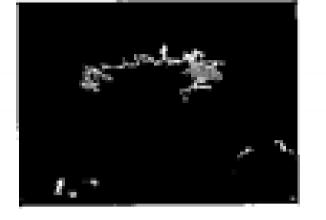
45. Observe the animal below and answer the



Is this animal Cephalized?

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46. Observe the animal below and answer the



How many germ layers does this animal have?

Watch Video Solution

47. Observe the animal below and answer the



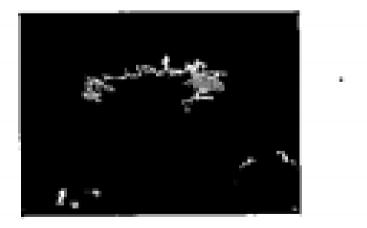
How many openings does this animal's

digestive system have?\



48. Observe the animal below and answer the

following questions.



Does this animal have neurons?



49. Choose the term that does not belong in the following group and explain why it does not belong?



50. What are flame cells?

51. In which phyla is the larva trochopore found?



52. Which of the chordate characteristics do

tunicates retain as adults?

53. List the characteristic features that distinguish cartilaginous fishes with living jawless fishes.



54. List three features that characteristise bony fishes.



55. Concept Mapping- Use the following terms to create a concept map that shows the major characteristic features of the phylum nematoda: Round worms, pseudocoelomates, digestive tract, cuticle, parasite and sexual dimorphism.

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56. List the functions of air bladder in fishes.

57. Write the characteristics that contributes

to the success of reptiles on land.

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58. List the unique features of bird's endoskeleton.

59. Could the number of eggs or young ones produced by an oviparous and viviparous female be equal? Why?



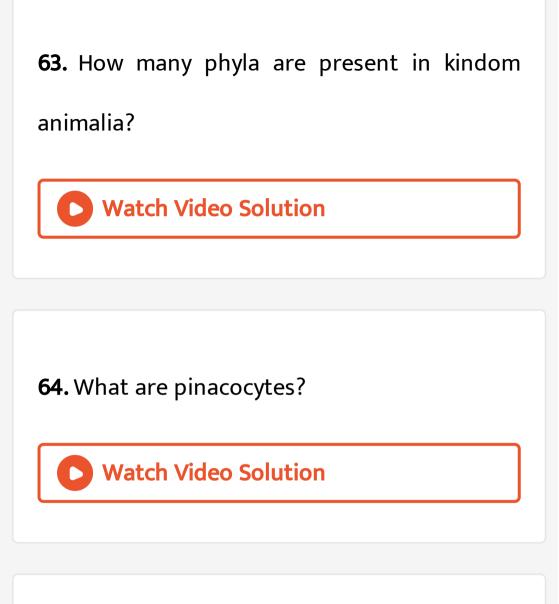
60. Why do we need the classification of organisms ?

61. On what basis are breeding animals classified?
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62. What are the chracteristic features of

kingdom animalia?





65. What are choanocytes?

66. Write about the cellular level of organisation of sponges.



67. Animals such as sponges lack nervous tissue and muscle tissue, what dloes this tell

you about sponges.

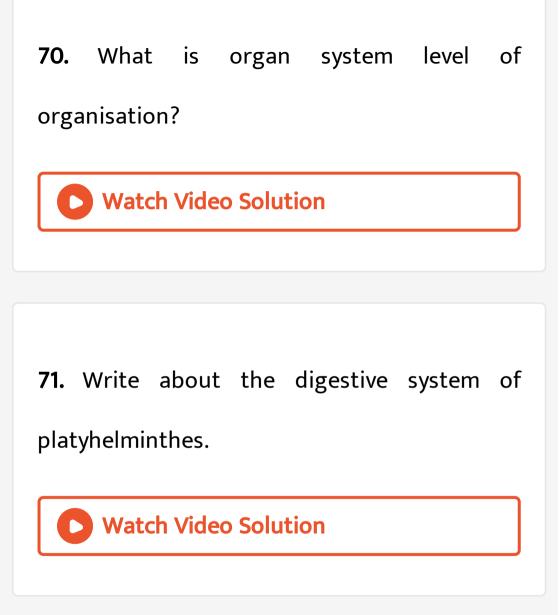


organisation.

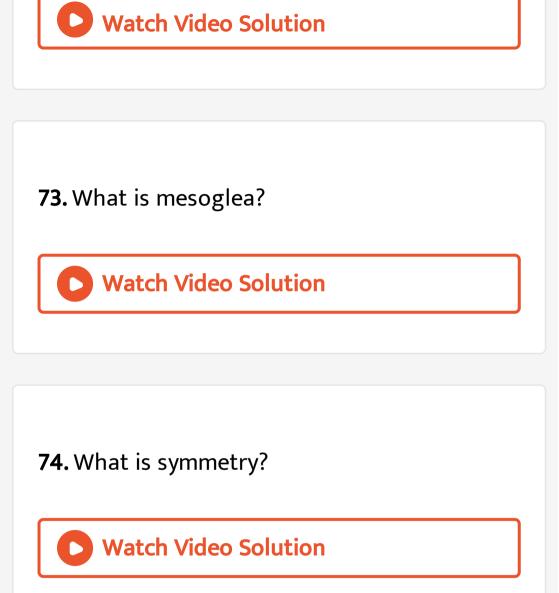


69. Which animals exhibit organ system level

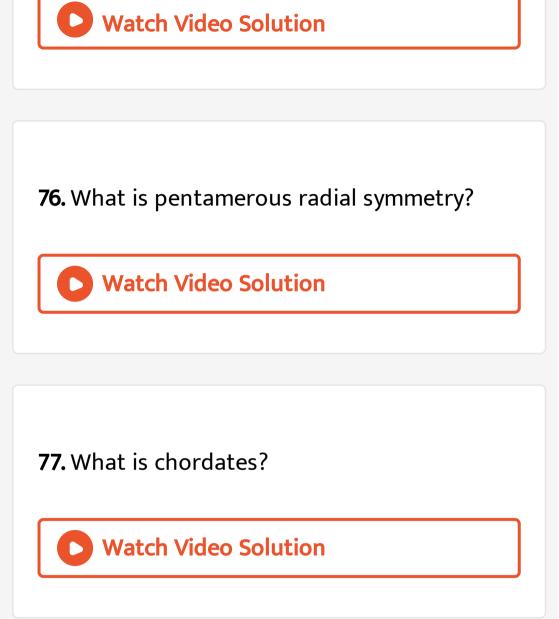
of organisation?

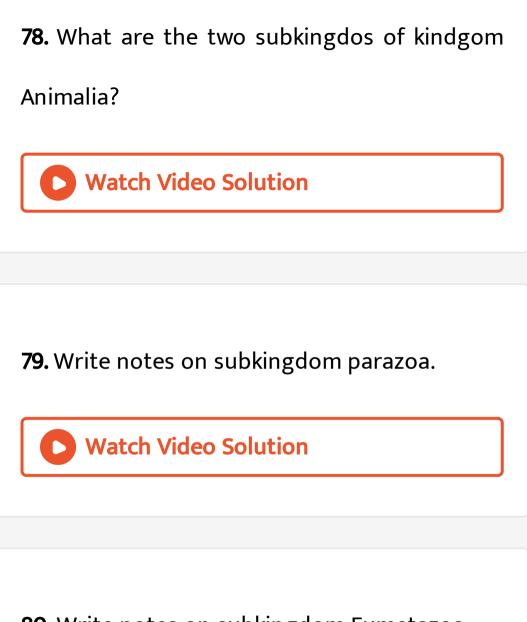


72. What is complete digestive system?

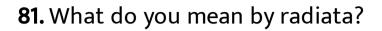


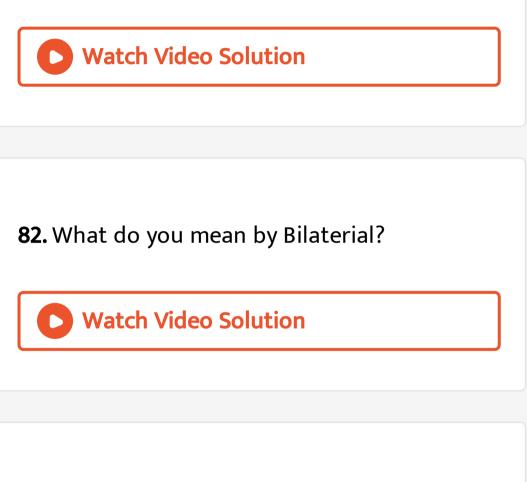
75. What is segmentation?



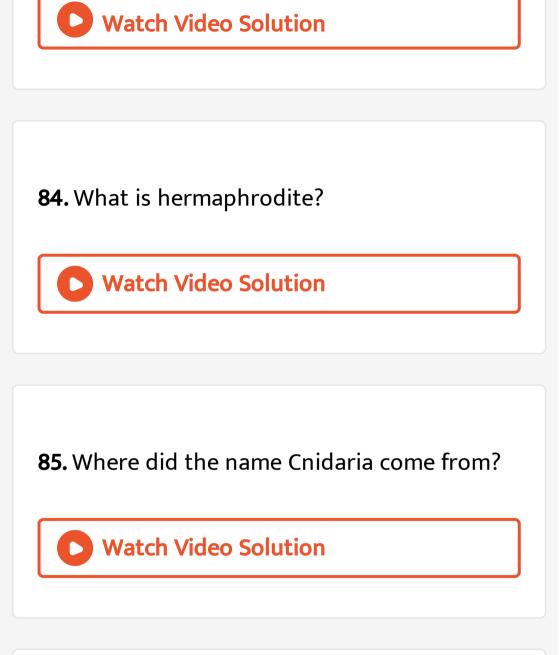


80. Write notes on subkingdom Eumetazoa.

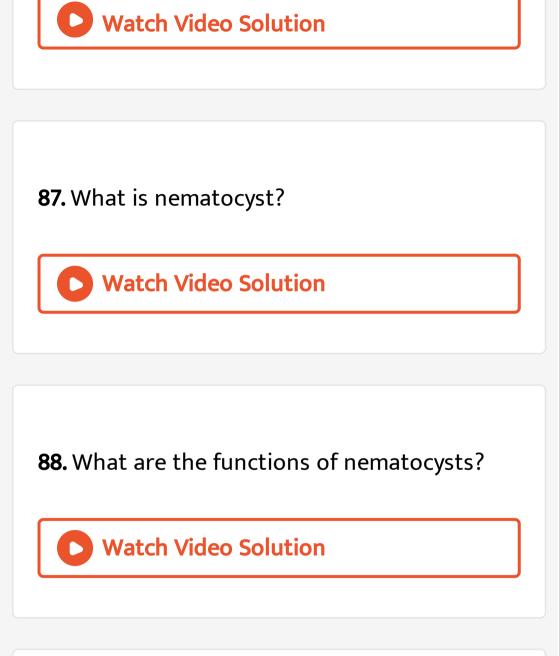




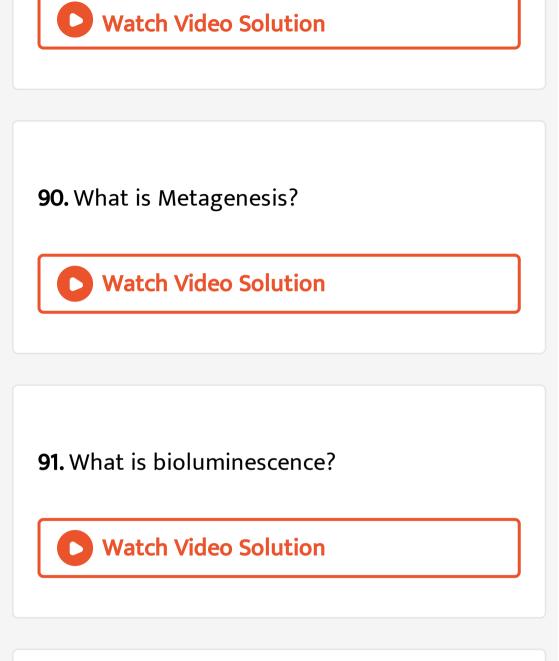
83. What are the common examples for phylum Porifers?



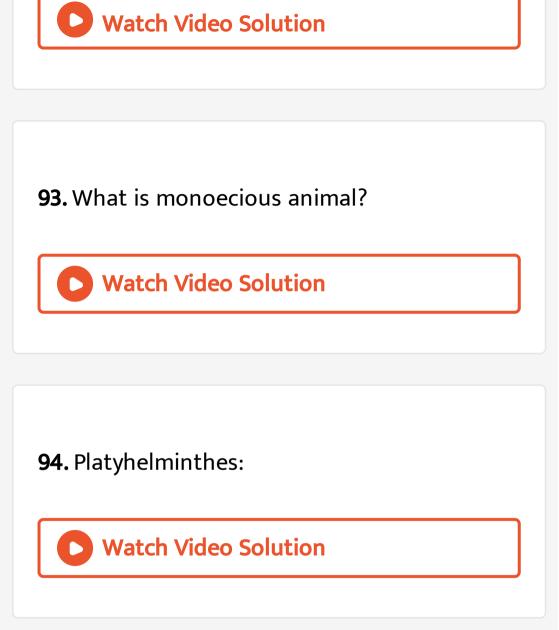
86. What is Cnidoblast?



89. What is hypostome in coelenterate?



92. What is lasso cells?



95. What are the common example for the

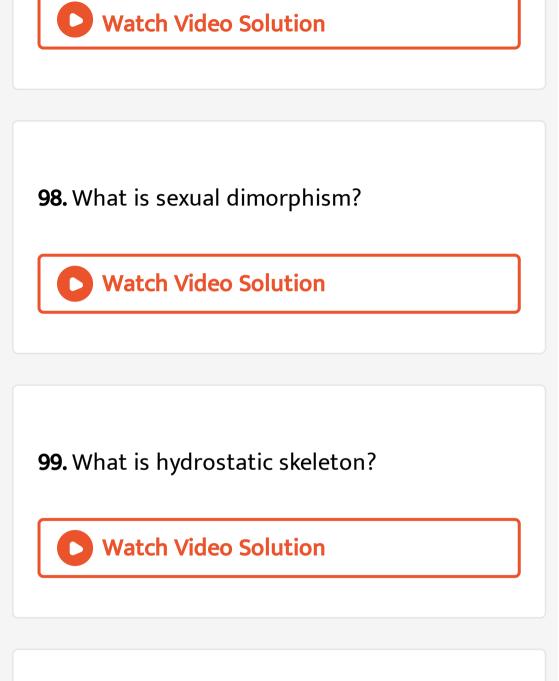
phylum platyhelminthes?

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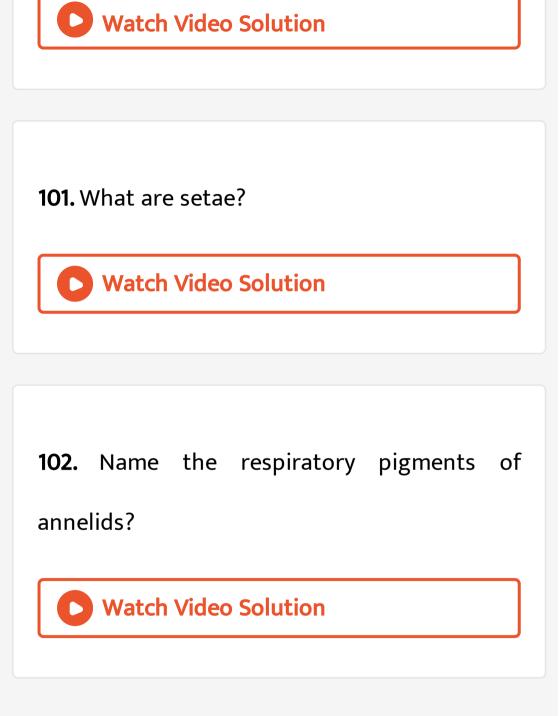
96. What does Aschelminthes mean?

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97. What are the common examples for the phylum Aschelminthes.



100. What are parapodia?



103. What are the common examples for phylum Annelida?

• Watch Video Solution

104. How is cephalisation advantegeous to

animals in finding food?

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105. What does the name Arthropoda mean?



106. What is the exoskeleton of arthropods

made from and what is its function?

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107. What is moulting?

108. What is statocyst?

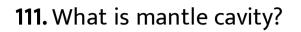


109. What are the excretory organs of the

phylum Arthropoda?

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110. What is mantle?



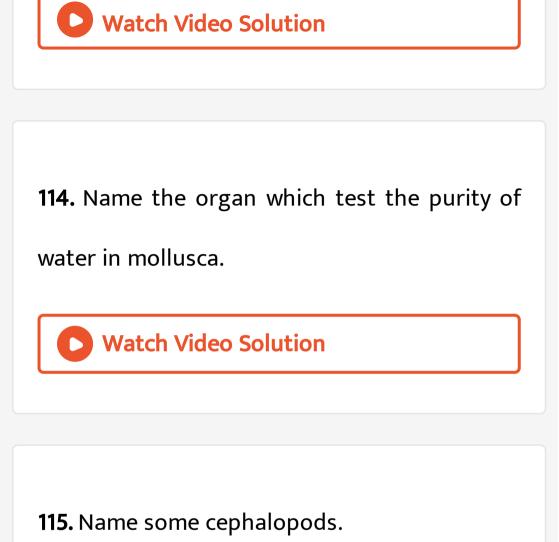


112. Write short notes on radula

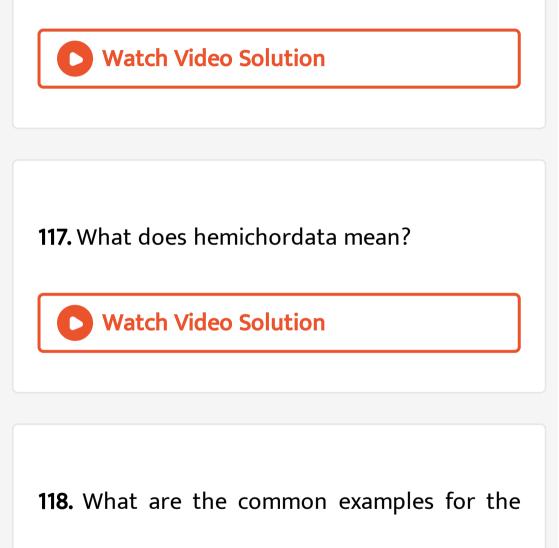
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113. What are the sense organs of the phylum

Mollusca?



116. What does Echinodermata mean?



phylum Hemichordata?

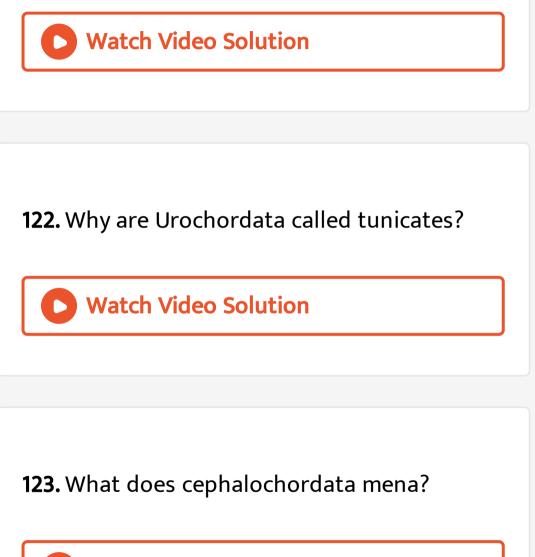
119. What are the three subphyla of phylum chordata?



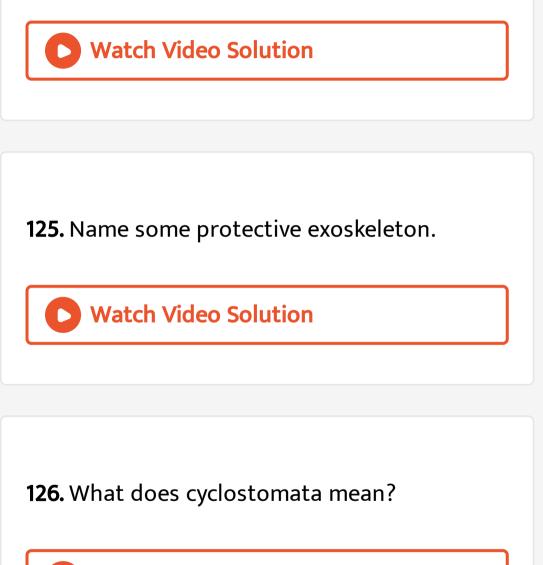
120. What are the two super classes of subphylum Gnathostomata?



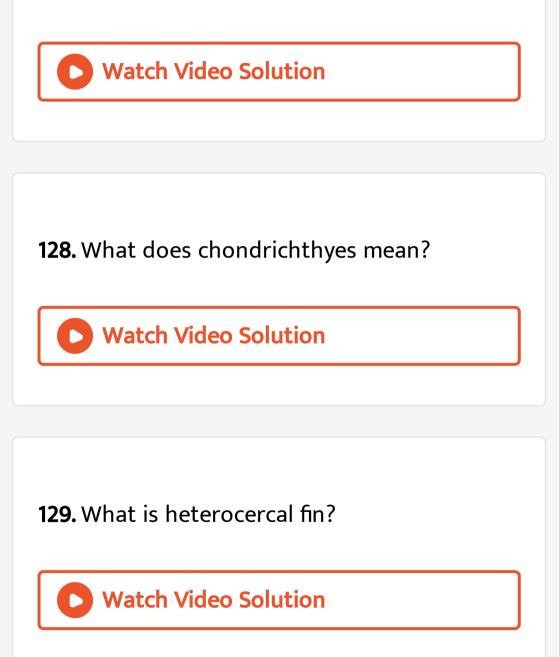
121. What does Urochordata mean?



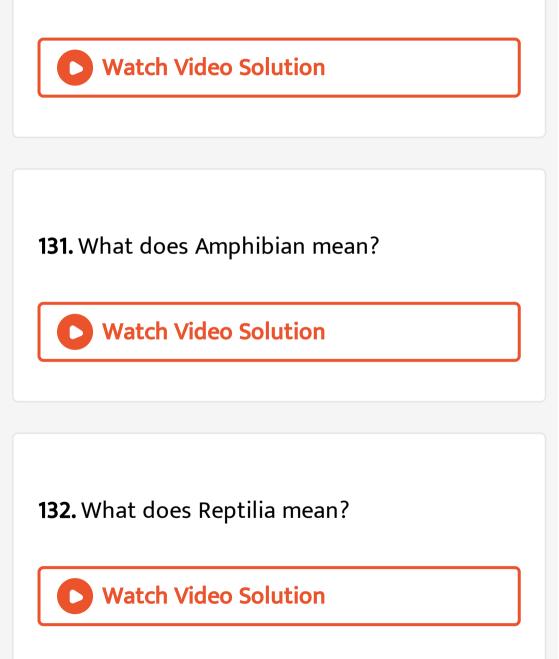
124. What does vertebrata mean?

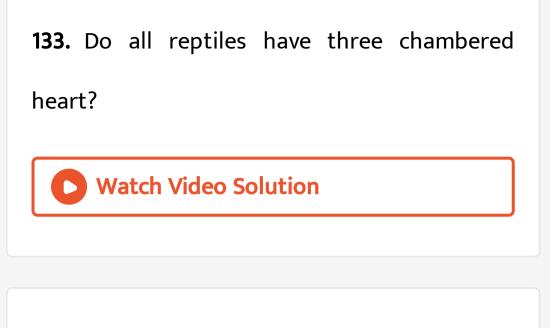


127. What is anadromous migration?



130. What does osteichthyes mean?





134. What does Aves mean?

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135. What is peneumatic bone?

136. What does mammalia mean?



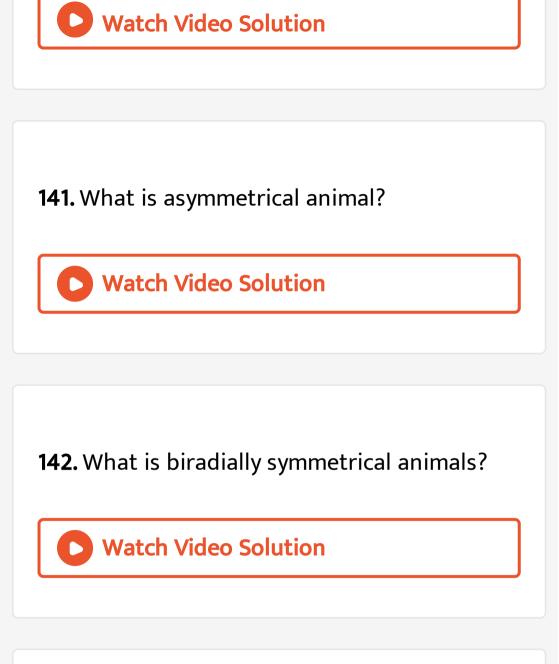
mammals?



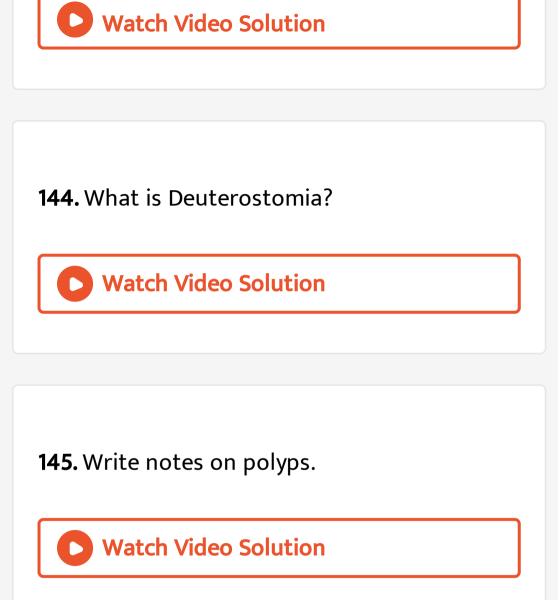
138. What are the common fundamental features of multicellular animals? Watch Video Solution 139. Write short notes on tissue level of organisation?

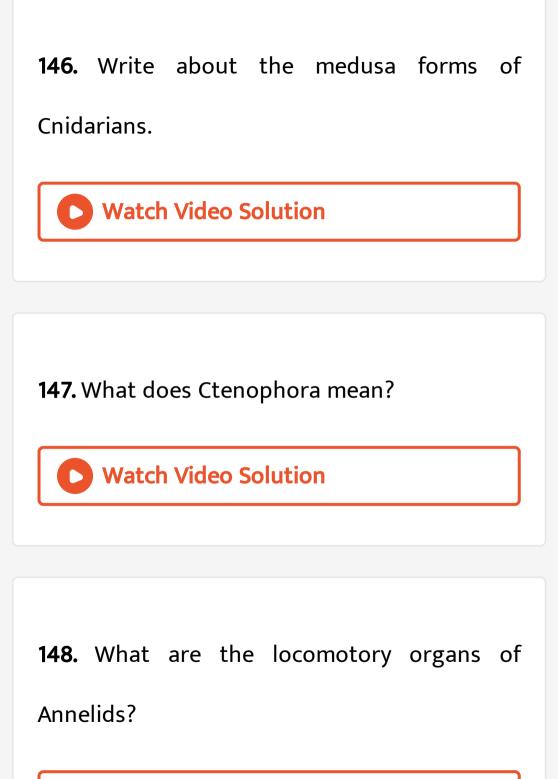
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140. What is diploblastic animals?



143. What is protostomia?







149. What are the respiratory organs of arthropods?

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150. What are the sense organs of the phylum

Arthropoda?

151. What are the common examples for the

phylum Arthropoda?



152. Name some economically important insects.

153. What are the common examples for the

phylum Arthropoda?

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154. Write short notes on spider silk

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155. Write short notes on Conus marmoreus.

156. Write about the water vasculara system in

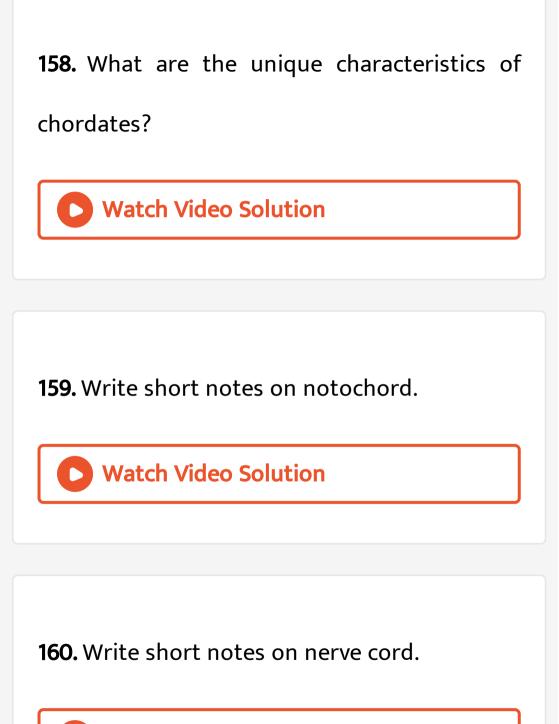
Echinoderms.



157. What are the common example for phylum

echinodermata?





161. Write short notes on pharyngeal gillslits in

chordates.



162. What are the classes of chordates?



163. What are the characteristics of Agnatha?



164. What are the characteristics of

Gnathostomata?

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165. What are the common examples for class

osteichthyes?

166. What are the common examples for class

amphibia?

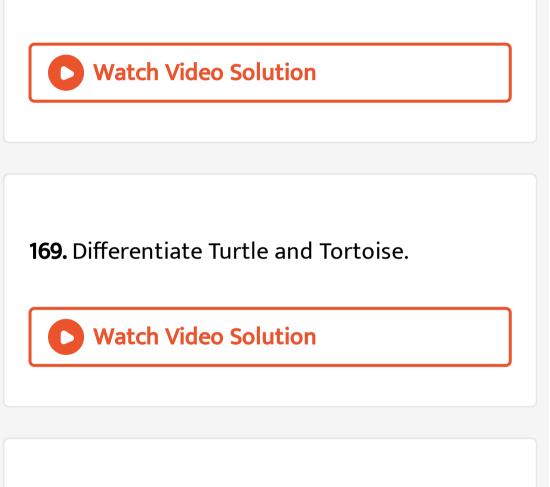


167. What are the common examples for class

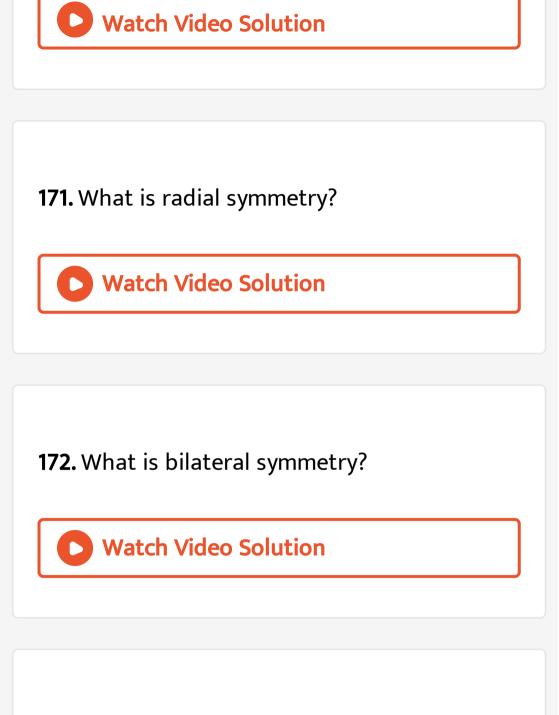
reptilia?

168. What are the common examples for class

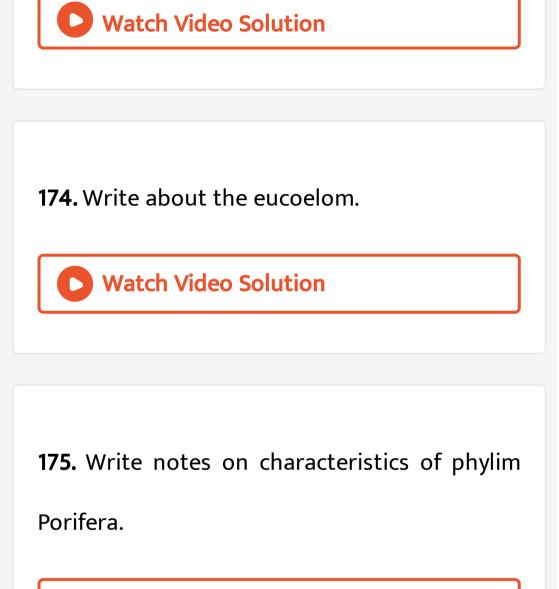
Aves?



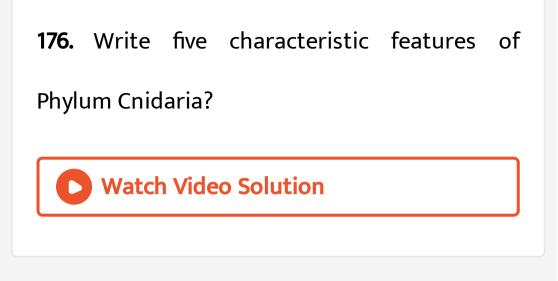
170. Write bried notes on Dipoloblastic can Triploblastic with example.



173. Write about the pseudocoel.







177. What are the characteristics of phylum

Ctenophora.



178. What are the general characteristics of

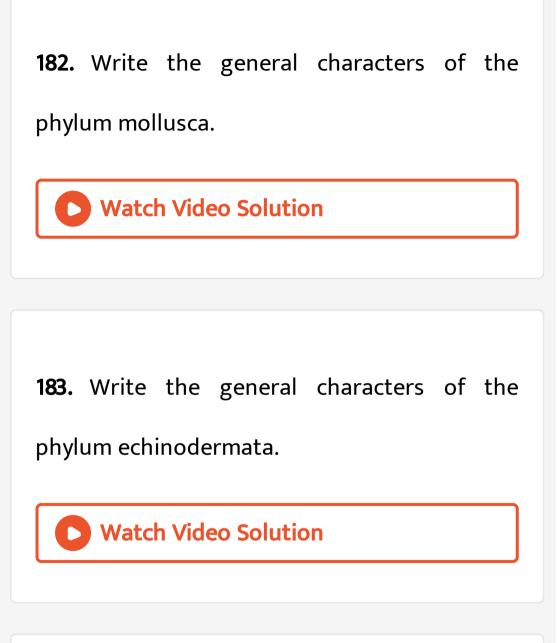
phylum platyhelminthes?

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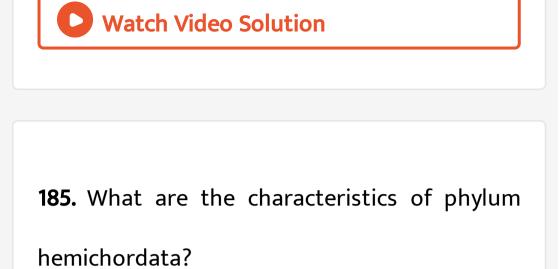
179. Write the general characters of the phylum aschelminthes.



180. Write the general characters of the phylum annelida. Watch Video Solution 181. Write the general characters of the phylum arthropoda.



184. Describe the structure of Balanoglossus



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186. What are the characteristics of subphylum

Urochordata?

187. List out the characteristics of

Cephalochordata ?

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188. Write the general character of the

subphylum vertebrata.

189. Write the general characters of the class

Cyclostomata.

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190. What are the characteristics of class

chondirchthyes?



191. Write the general characters of the class

Amphibia.

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192. Write the general characters of the class

Aves.



193. Write the general characters of the class

Mammalia.

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194. What are the common examples for class

mammalia?



- 1. Sea anemone belongs to phylum
 - A. Protozoa
 - **B.** Porifera
 - C. Coelenterata
 - D. Echinodermata



2. The respiratory pigment in cockroach is

- A. Haemoglobin
- B. Haemocyanin
- C. Oxyhaemoglobin
- D. Haemoerythrin



3. How many species are in the class Insecta?

A. 2-8 million

- B. 2-10 million
- C. 8 10 million
- D. 6-8 million

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4. Pneumatic bone is found in

A. Shark

B. Rana

C. Pigeon

D. Whale

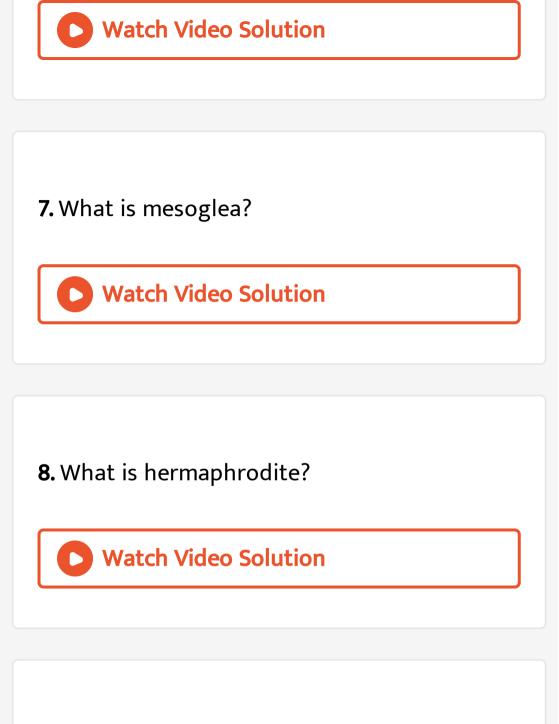
Answer:

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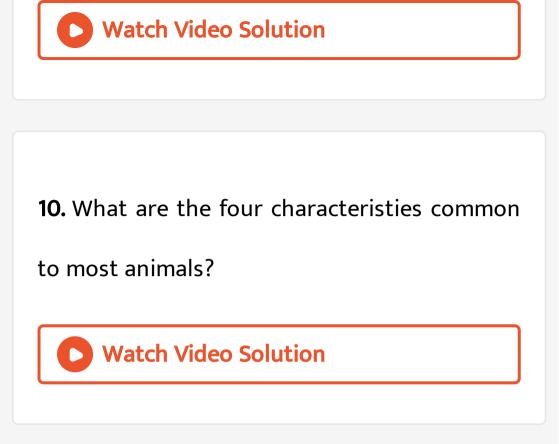
5. What are flame cells?

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6. Compare Schizocoelom with Enterocoelom.



9. What is sexual dimorphism?



11. Observe the animal below and answer the

following questions.

a. Identify the animal

b. What type of symmetry does this animal

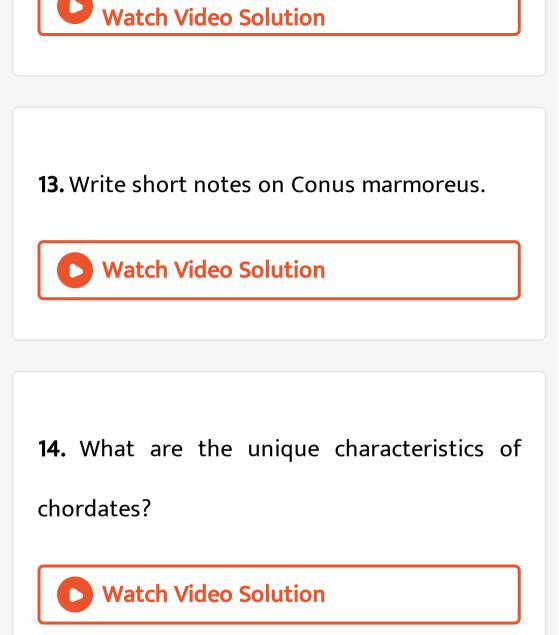
exhibit?

- c. Is this animal Cephalized?
- d. How many germ layers does this animal have?
- e. How many openings does this animal's
- digestive system have?
- f. Does this animal have neurons?

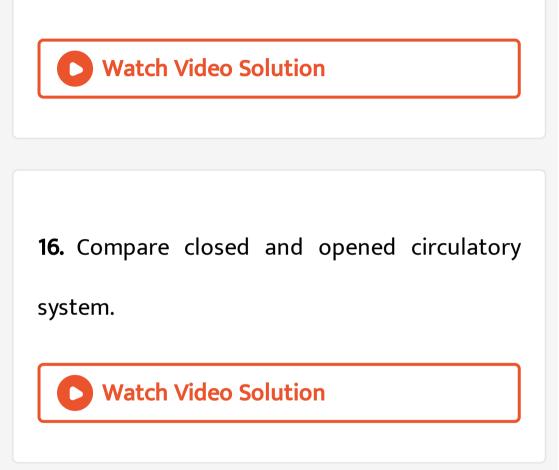


12. List three features that characteristise bony fishes.





15. What is diploblastic animals?



17. What is peneumatic bone?

18. Describe the structure of Balanoglossus



19. Write the general characters of the phylum arthropoda.



20. The symmetry exhibited in Cnidarians is

A. Radial

B. Bilateral

C. Pentamerous radial

D. Asymmeterical

Answer:

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21. Sea anemone belongs to phylum

A. Protoza

- B. Porifera
- C. Colelenterata
- D. Echonodermata

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22. The excretory cells that are found in platyhelminthes are

A. Protonephridia

B. Flame cells

C. Solenocytes

D. All of these

Answer:

Watch Video Solution

23. In which of the following organisms, self fertilization is seen.

A. Fish

B. Round worm

C. Earthworm

D. Liver fluke

Answer:

Watch Video Solution

24. Nephridia of Earthworms are performing

the same functions as

A. Gills of prawn

- B. Flame cells of planaria
- C. Trachea of insects
- D. Nematoblasts of Hydra

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25. Which of the following animals has a true

coelom ?

A. Ascaris

B. Pheretima

C. Sycon

D. Taenoa solium

Answer:

Watch Video Solution

26. Metameric segmentation is the main

feature of

A. Annelida

- B. Echonodermata
- C. Arthropoda
- D. Coelenterata

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27. In Pheretima locomotion occurs with the help of

A. Circular muscles

B. Longitudinal muscles and setae

C. Circular, longitudinal muscles and setae

D. Parapodia

Answer:

Watch Video Solution

28. Which of the following have the highest number of species in nature?

A. Insects

B. Birds

C. Angiosperms

D. Fungi

Answer:

Watch Video Solution

29. Which of the following is a crustacean?

A. Prawn

B. Snail

C. Sea anemone

D. Hydra

Answer:



30. The respiratory pigment in cockroach is

A. Haemoglobin

B. Hearmocyanin

C. Oxyhaemoglobin

D. Haemoerythrin

Answer:

Watch Video Solution

31. Exoskeleton of which phylum consists of chitinous cuticle?

A. Annelida

B. Arthropoda

C. Porifera

D. Echinodermata

Answer:

Watch Video Solution

32. Lateral line sense organs occur in

A. Salamander

B. Water snake

C. Frog

D. Fish





33. The limbless amphibian is

A. Ichthyophis

- B. Hyla
- C. Rana
- D. Crocodile





34. Four chambered heart is present in

A. Lizard

B. Scorpion

C. Snake

D. Crocodile

Answer:

35. Which of the following is not correctly paired?

A. Humans-Ureotelic

B. Birds-Uricotelic

C. Lizards-Uricotelic

D. Whale-Ammonotelic

Answer:

36. Which of the following is an egg laying mammal?

A. Delhimus

B. Macropus

C. Ornithorhynchys

D. Equus

Answer:

A. Mammalia

B. Aves

.

C. Reptilia

D. Sponges

Answer:

38. Match the following columns and select

the correct option.

Column – I		Column – II	
(p)	Pila	(i)	Devil fish
(q)	Dentalium	(ii)	Chiton
(r)	Chaetopleura	(iii)	Apple snail
(s)	Octopus	(iv)	Tusk shell

A. p-(ii),q-(i),r-(iii),s-(iv)

B. p-(iii),q-(iv),ri(ii),s-(i)

- C. p-(ii),q-(iv), r-(i),s-(iii)
- D. p-(iii)mq-(ii),r0-(iii),s-(iv)

Answer:

39. In which of the following phyla, the adult shows radial symmetry but the larva shows bilateral symmetry?

A. Mollusca

B. Echinodermata

C. Arthropoda

D. Annelida

Answer:





40. Which of the following is correctly matched?

A. Physalia-Portuguese man of war

B. Pennatual-Sea fan

C. Adamsia-Sea pen

D. Gorgonia-Sea anemone

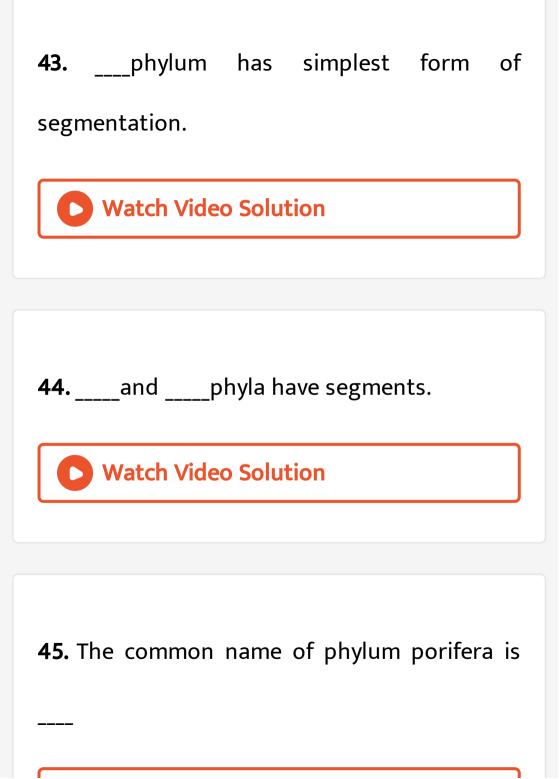
Answer:

41. In _____ animal phylum first time the organ level of organisation occurs.



42. _____is the highest level of organisation

among the animals.





46. Where are porifera commonly found?

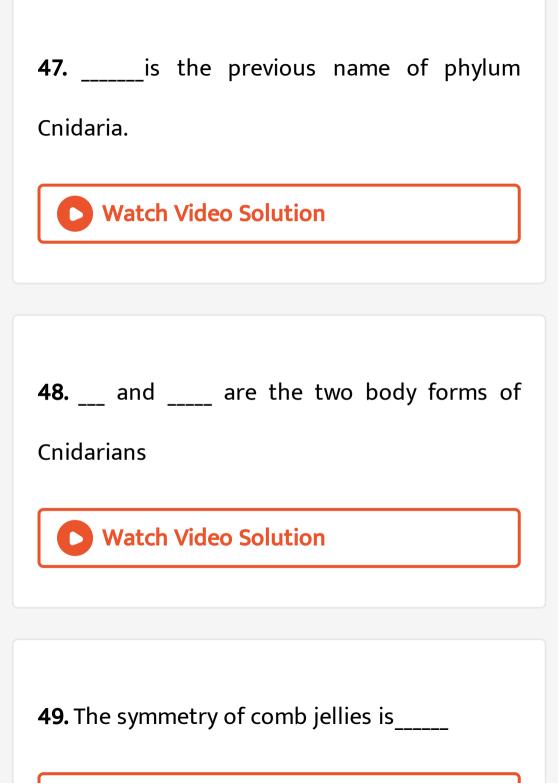
A. Rond water

B. Marine water

C. River water

D. Contaminated water

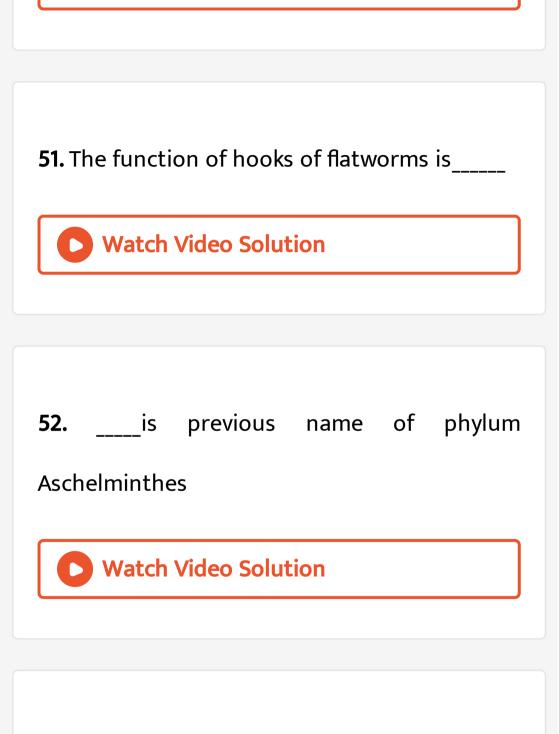
Answer:





- **50.** What is the name of larva produced by comb jellies?
 - A. Cydippid larva
 - B. Planula larva
 - C. Scyphistoma larva
 - D. Hydrula larva

Answer:



53. The outer layer of round worm is_



54. The coelom present in round worms is

A. Enterocoelom

B. Schizocoelom

C. Pseudocoelom

D. True coelom

Answer:

55. When filariasis was recorded in India?

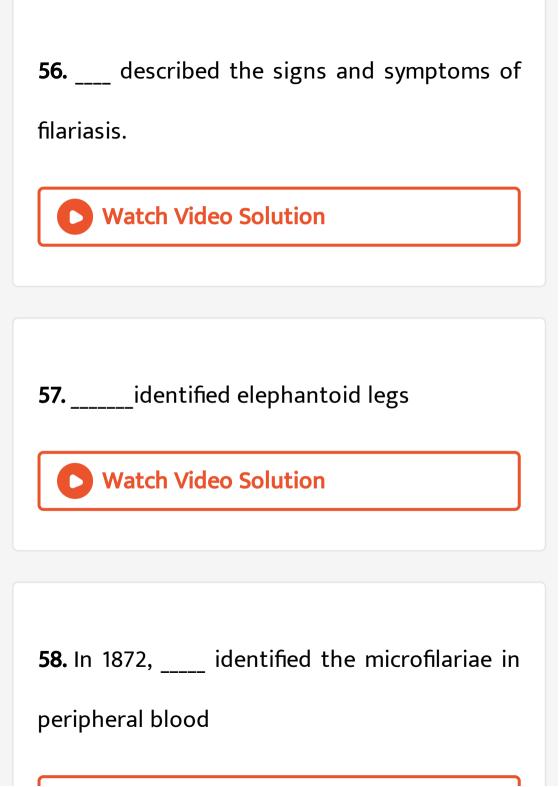
A. As early as 6th centuary BC

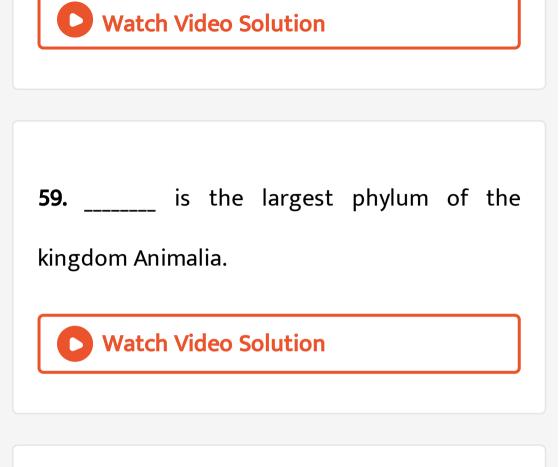
B. 7th century BC

C. 8th century BC

D. 9th century BC

Answer:





60. How many species are in the class Insecta?

A. 2-8 million

B. 2-10 million

C. 8-10 million

D. 6-8 million

Answer:



61._____ arthropod is called living fossil.

62. The second largest phylum of the kingdom

Animalia is

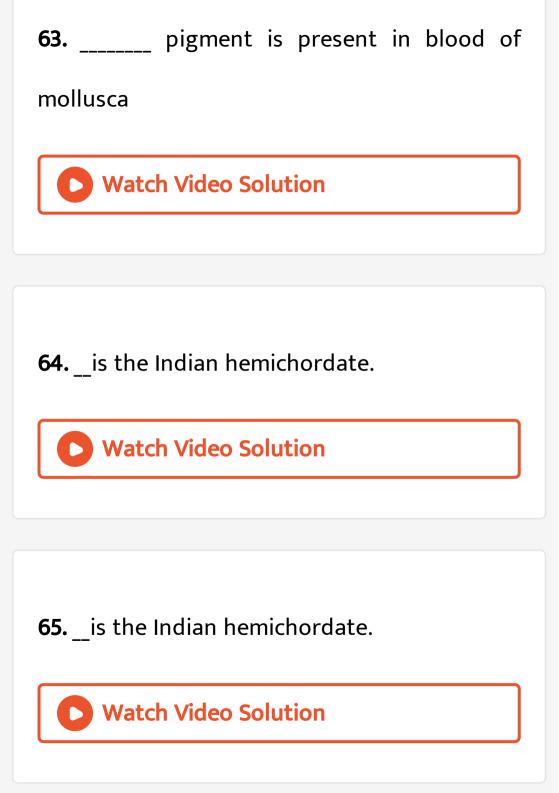
A. Mollusca

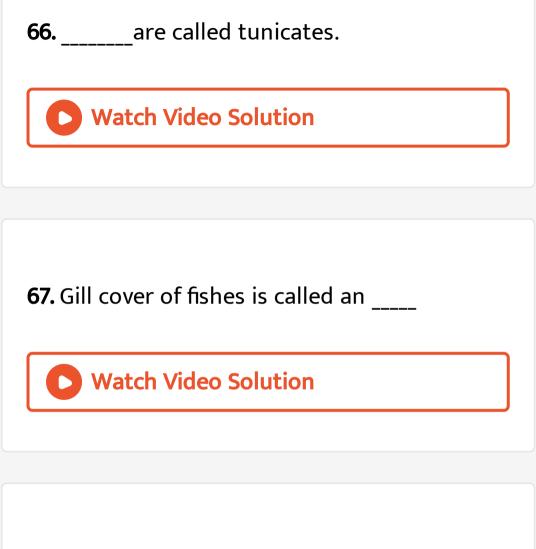
B. Aschelminthes

C. Annelida

D. Echinodermata

Answer:





68. How many chambers does a reptiles heart

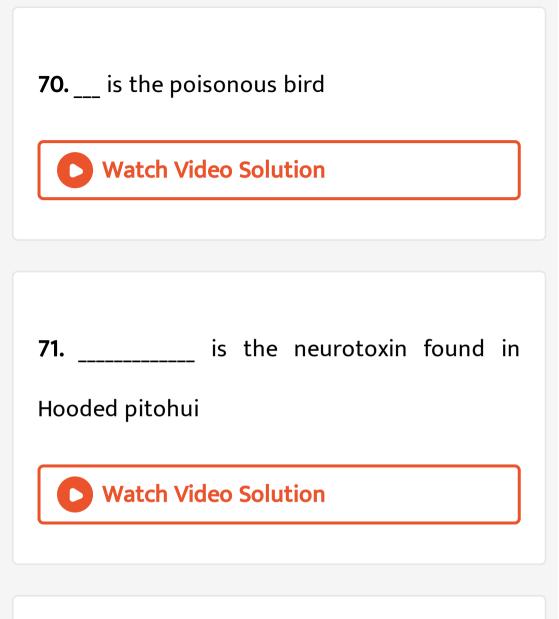
have?

- A. Two chambers
- B. Three chambers
- C. Four chambers
- D. Five chambers

Answer:

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69. Which is the state bird of Tamilnadu?



72. Who is the birdman of India?

A. Salim Moizuddin Abdul Ali

B. John James

C. Ernst Mayr

D. Madavakara

Answer:

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73. Metamerism is characteristic of

A. Platyhelminthes

B. Mollusca

C. Porifera

D. Annelida

Answer:

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74. Level of structural organization found in

Hydra is

A. Cellular

B. Acellular

C. Tissue

D. Organ system

Answer:

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75. An animal deviod of annus is ___

A. Unio

B. Fasciola

C. Pheretima

D. Periplaneta

Answer:



76. Veliger larva occurs in phylum

A. MOllusca

B. Echoinodermata

C. Arthropoda

D. Cnidaris

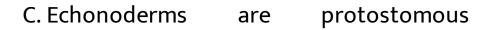
Answer:

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77. Which one of the following statement is wrong?

A. Male round worm is smaller than female

B. Earthworms are hermaphrodite



coelomates

D. Hair is derivative of skin

Answer:

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78. A chordate character is

A. Cilia

B. Post and tail

C. Spiracles

D. Chitinous exoskeleton

Answer:



79. Malpighian tubules are

A. Excretory organs of insects

B. Excretory organs of annelids

C. Respiratory organs of insects

D. Respiratory organs annelids

Answer:

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80. Tube feet are the characteristic structures of

A. Starfish

B. Jelly fish

C. Crayfish

D. Cuttle fish

Answer:

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81. Which of the following is an example of platyhelminthes?

A. Plasmodium

B. Schistosoma

C. Trypanosoma

D. Wuchereria

Answer:

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82. Pneumatic bone is found in

A. Shark

B. Rana

C. Pigeon

D. Whale

Answer:



83. Match the following list of aminals with their level of organisation and choose the correct option.

A. Organ level - 1. Pheretima
B. Cellular level - 2. Fasciola
C. Tissue level - 3. Spongilla
D. Organs system level - 4. Hydra
Option

A. A-4,B-1,C-3,D-2

B. A-4, B-1, C-2, D-3

C. A-2B-3,C-4,D-1

D. A-1,B-4,C-3,D-2

Answer:

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84. The canal system is a characteristie feature

of

A. Echinoderms

B. Sponges

C. Helminthes

D. Coelenterates

Answer:

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85. Match the column I with column II and

choose the correct option

Column I · Column II

- A. Porifera
- B. Aschelminthes
- C. Annélida
- D. Arthropoda
- E. Echinodermata 5) Metameres Options

Water vascular system Muscular pharynx

1) Canal system

4) Jointed appendages

A. A-2,B-3,C-5,D-4,E-1

- B. A-2, B-5, C-3, D-4, E-1
- C. A-1,B-3,C-5,D-4,E-2

D. A-1,B-5,C-3,D-4,E-2

Answer:



86. Coelom is found between

A. Body wall and ectoderm

B. Ectoderm and endoderm

C. Mesoderm and body wall

D. Mesoderm and ectoderm

Answer: