

Science

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(Chapter – 7) (Diversity In Living Organisms)

(Class – IX)

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Question 1:

How do poriferan animals differ from coelenterate animals?

Answer 1:

In porifera, body has numerous pores, which are absent in coelenterates. Body has a cavity in coelenterates, while it is absent in porifera.

Question 2:

How do annelid animals differ from arthropods?

Answer 2:

Segmented body in annelids, while true segmentation is absent in arthropods. Arthropods have joined appendages, which are absent in annelids.

Question 3:

What are the differences between amphibians and reptiles?

Answer 3:

- Amphibians need water to lay eggs and fertilization is external. Reptilians do not need water to lay eggs and fertilization is internal.
- Amphibians use both skin and lungs for breathing. Reptilians breathe through lungs only.

Question 4:

What are the differences between animals belonging to the Aves group and those in the mammalian group?

Answer 4:

- In aves, body is covered with feathers; while in mammals, body is covered with hairs.
- Mammary glands are absent in aves while present in mammals.
- Forelimbs of aves are modified into wings which is not the case in mammals.
- Aves are oviparous, while most of the mammals are viviparous.

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