

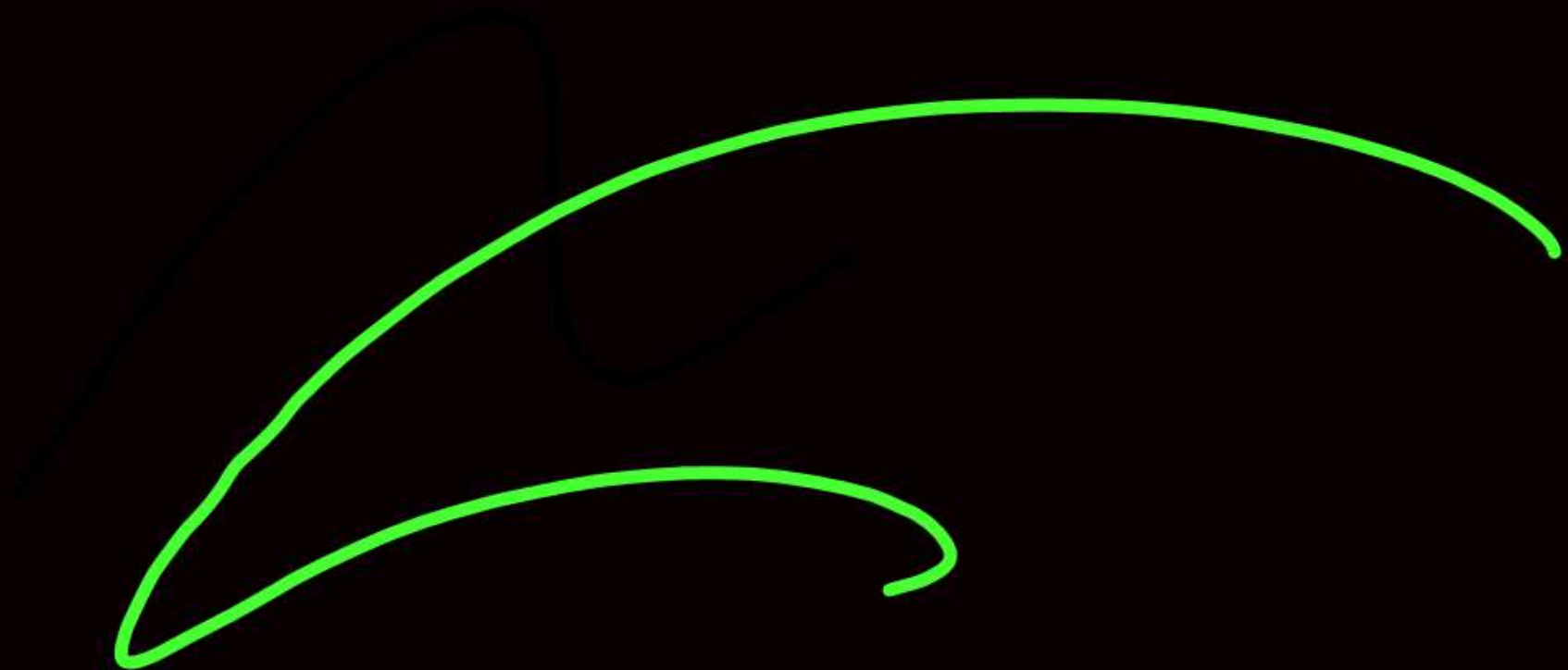
NEET 2024 SQUAD

TUESDAY

9 PM LIVE



ANIMAL KINGDOM



Consider following features.

(A) Organ system level of organisation

(B) Bilateral symmetry

(C) True coelomates with segmentation of body

Select the correct option of animal groups which possess all the above characteristics.

(a) Annelida, ~~Mollusca~~ and Chordata

(b) Annelida, Arthropoda and Chordata

(c) Annelida, Arthropoda and ~~Mollusca~~

(d) Arthropoda, ~~Mollusca~~ and Chordata

(NEET 2019)

Organ s.

↓
Aschelminthen.

Bilateral
- platy



→ Annelids

Which one of the following kinds of animals are triploblastic?

☒ (a) Flatworms
☒ (c) Ctenophores

☒ (b) Sponges
☒ (d) Corals

(2010)

Metameric segmentation is the characteristic of

- (a) ~~mollusca~~ and chordata
- (b) ~~platyhelminthes~~ and arthropoda
- (c) ~~echinodermata~~ and annelida
- ✓✓ (d) annelida and arthropoda. ✓

(2006)

↓
Anax chota Segmented
↓ ↓ ↓

Match the following columns and select the correct option.

Column-I		Column-II	
(A)	6-15 pairs of gill slits	(i)	<i>Trygon</i>
(B)	Heterocercal caudal fin	(ii)	Cyclostomes
(C)	Air bladder	(iii)	Chondrichthyes
(D)	Poison sting	(iv)	Osteichthyes

- | | | | |
|----------------------|-------|-------|------|
| (A) | (B) | (C) | (D) |
| ✓ (a) (ii) | (iii) | (iv) | (i) |
| (b) (iii) | (iv) | (i) | (ii) |
| (c) (iv) | (ii) | (iii) | (i) |
| (d) (i) | (iv) | (iii) | (ii) |

(NEET 2020)

Match the following organisms with respective characteristics.

- | | |
|--------------------------|-------------------------|
| (A) <i>Pila</i> | (i) Flame cells |
| (B) <i>Bombyx</i> | (ii) Comb plates |
| (C) <i>Pleurobrachia</i> | (iii) Radula |
| (D) <i>Taenia</i> | (iv) Malpighian tubules |

Select the correct option from the following.

- | | (A) | (B) | (C) | (D) |
|-------|------------------|-----------------|------------------|-----------------|
| (a) | (iii) | (ii) | (iv) | (i) |
| (b) | (iii) | (ii) | (i) | (iv) |
| ✓ (c) | (iii) | (iv) | (ii) | (i) |
| (d) | (iii) | (iv) | (iii) | (i) |

(NEET 2019)

Which one of these animals is not a homeotherm?

→ (a) *Macropus*

→ (c) *Camelus*

~~(b) Chelone~~ → **Reptilia**

(d) *Psittacula*

→ (NEET 2018)

Aves
Mammals

Which among these is the correct combination of aquatic mammals?

- (a) Dolphins, Seals, ~~Trygon~~ - fish .
- ✓✓ (b) Whales, Dolphins, Seals
- (c) ~~Trygon~~ Whales, Seals
- (d) Seals, Dolphins, ~~Sharks~~ - fish (NEET 2017)

Pick the odd pair out :-

(1) Cellular level: Porifera

✓ (2) Tissue level : Aschelminthes

(3) Organ level : Platyhelminthes

(4) Organ system level : Annelida

Organ s.

Which of the following coelenterate exist in both forms polyp and medusa and exhibit metagenesis.

Polyp

← (1) *Hydra*

✓ (3) *Obelia*

(2) *Adamsia*

(4) *Gorgonia*

↓
Polyp

↓
Polyp

True coelom and metameric segmentation in the body is first observed in which of the following phylum

- (1) Platyhelminthes *acoelomate*
- (2) Aschelminthes *pseudocoelom*
- ✓✓ (3) Annelida
- (4) Arthropoda → *true coelom*

In case of poriferans, the spongocoel is lined with flagellated cells called

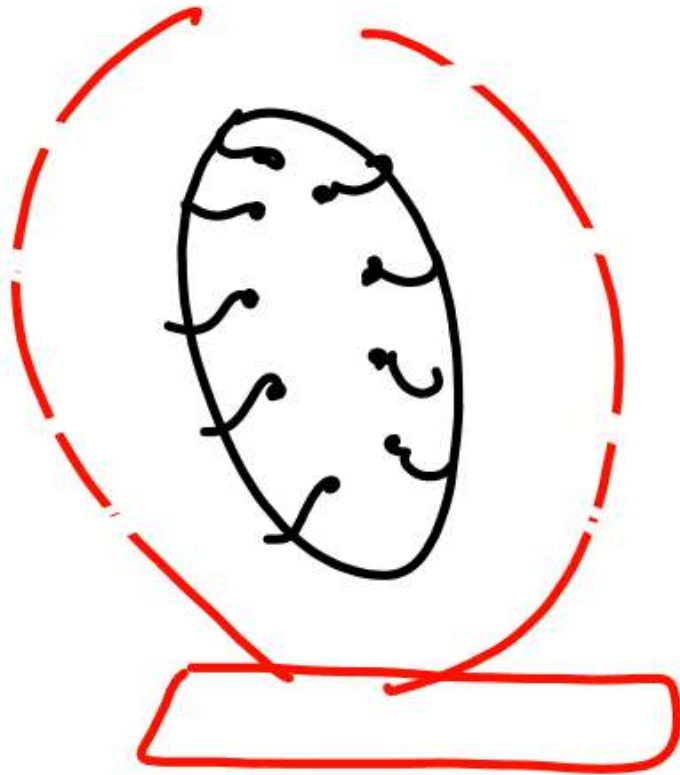
(a) oscula

(c) mesenchymal cells

~~(b)~~ choanocytes / collar cell.

(d) ostia.

(NEET 2017)



Which one of the following characteristics is not shared by birds and mammals?

~~(a) Viviparity~~ ——— Birds — oviparous

(b) Warm blooded nature ✓

(c) Ossified endoskeleton ✓

(d) Breathing using lungs ✓

(NEET-I 2016)

Bony

Which of the following features is not present in the Phylum Arthropoda?

- ☒ (a) Parapodia
- ☒ (b) Jointed appendages
- ☒ (c) Chitinous exoskeleton
- ☒ (d) Metameric segmentation

Aquatic
Annelids → locomotory
organ.

(NEET-1 2016)

Metagenesis refers to

- (a) occurrence of a drastic change in form during post-embryonic development
- (b) presence of a segmented body and parthenogenetic mode of reproduction
- (c) presence of different morphic forms
- (d) alternation of generation between asexual and sexual phases of an organism.

↓
Medusa.

Polyp.

(2015)

A jawless fish, which lays eggs in fresh water and whose ammocoetes larvae after metamorphosis return to the ocean is

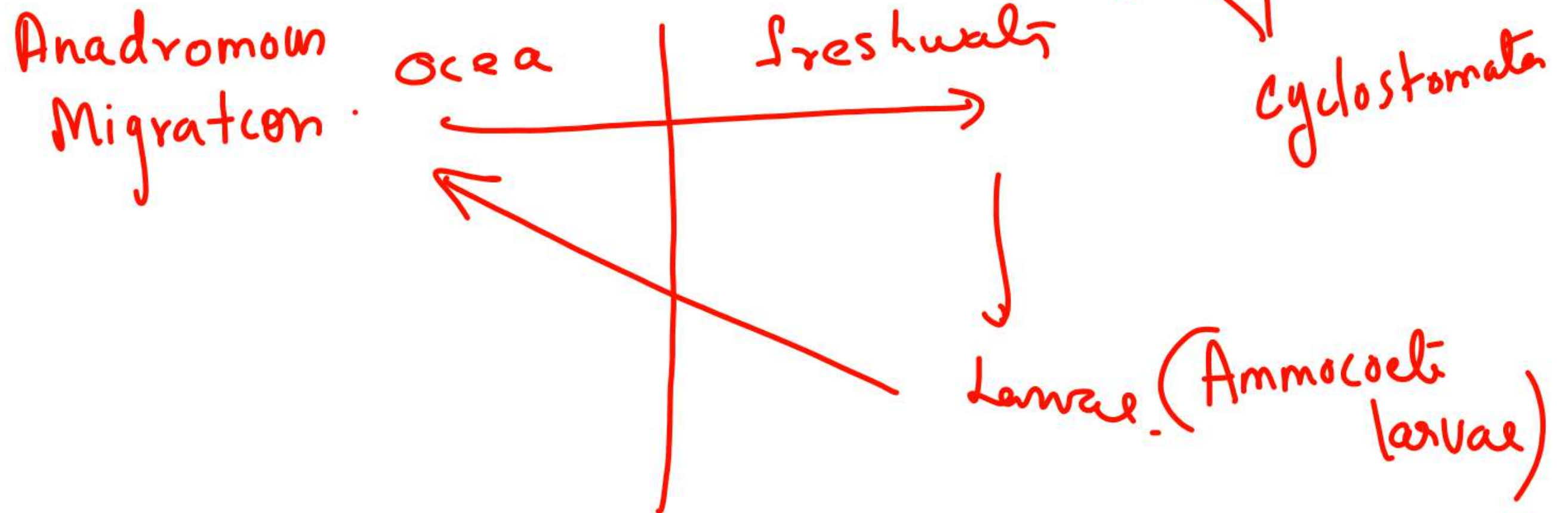
(a) *Neomyxine*

(c) *Eptatretus*

~~(b) *Petromyzon*~~

~~(d) *Myxine*~~

(2015)



Which of the following animals is not viviparous?

- ~~(a) Platypus~~ (b) Whale
(c) Flying fox (Bat) (d) Elephant

(2015 Cancelled)

Ornithorhynchus.
Oviparous Mammal.

Which of the following characteristics is mainly responsible for diversification of insects on land?

- ☒ (a) Exoskeleton
 - (b) Eyes
 - (c) Segmentation
 - (d) Bilateral symmetry
- (2015 Cancelled)*

chitinous

NCERT

Planaria possesses high capacity of

- (a) metamorphosis
- ☒ (b) regeneration
- (c) alternation of generation
- (d) bioluminescence.

(2014)

A marine cartilaginous fish that can produce electric current is

(a) *Pristis*

(c) *Trygon*

☒ (b) *Torpedo*

(d) *Scoliodon*.

electric organ

(2014)

poison sting
Sting ray

The characteristics of Class Reptilia are

- (a) body covered with moist ~~skin~~ which is devoid of scales, the ear is represented by a tympanum, alimentary canal, urinary and reproductive tracts open into a common cloaca
- (b) fresh water animals with bony endoskeleton, air-bladder ~~to~~ regulate buoyancy
- (c) marine animals with cartilaginous endoskeleton, body covered with placoid scales
- (d) body covered with dry and cornified skin, scales over the body are epidermal, they do not have external ears.

NCERT ✓✓

(Karnataka NEET 2013)

One example of animals having a single opening to the outside that serves both as mouth as well as anus is

Mollusca.

(a) Octopus

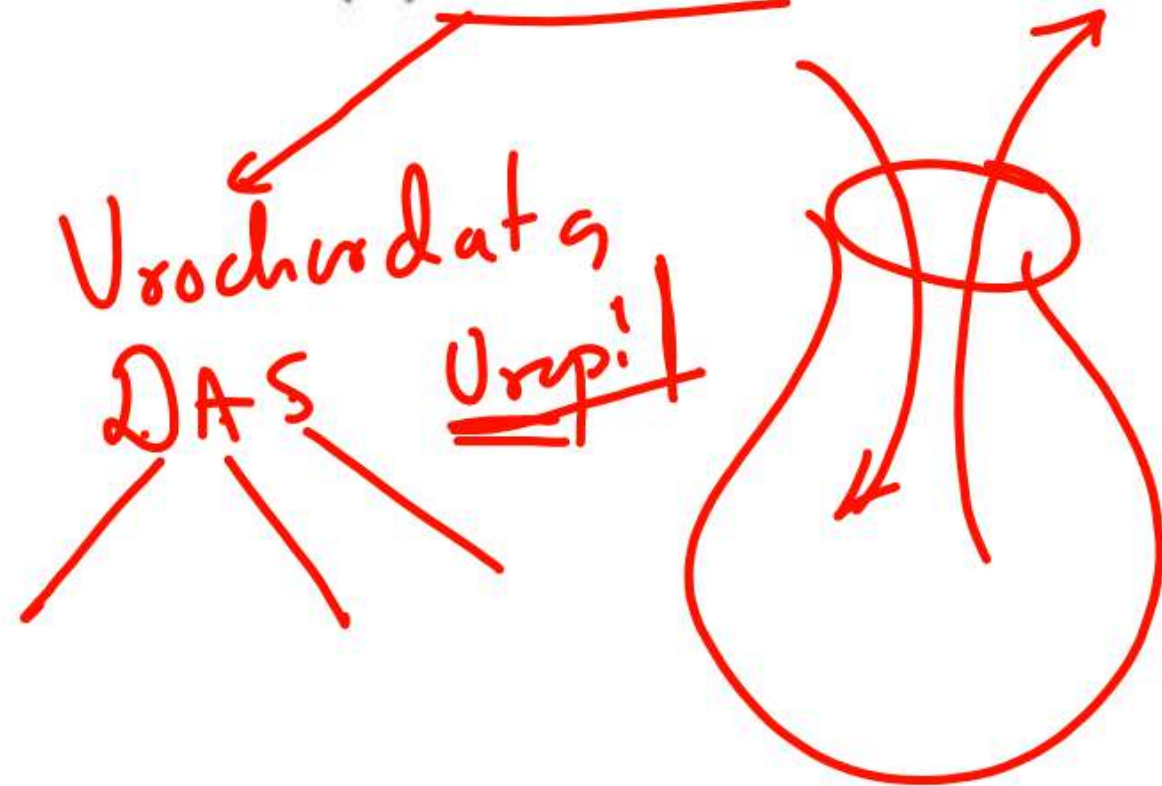
(c) Ascidia

(b) Asterias

☒ (d) Fasciola.

(2010)

→ Starfish.



Organ System
Aschelminthes.

Biradial symmetry and lack of cnidoblasts are the characteristics of

Cnidoblast

coelenterata

(a) *Hydra* and starfish

Radial

(b) *Starfish* and sea anemone

(c) *Ctenoplana* and *Beroe*

Member of ctenophora.

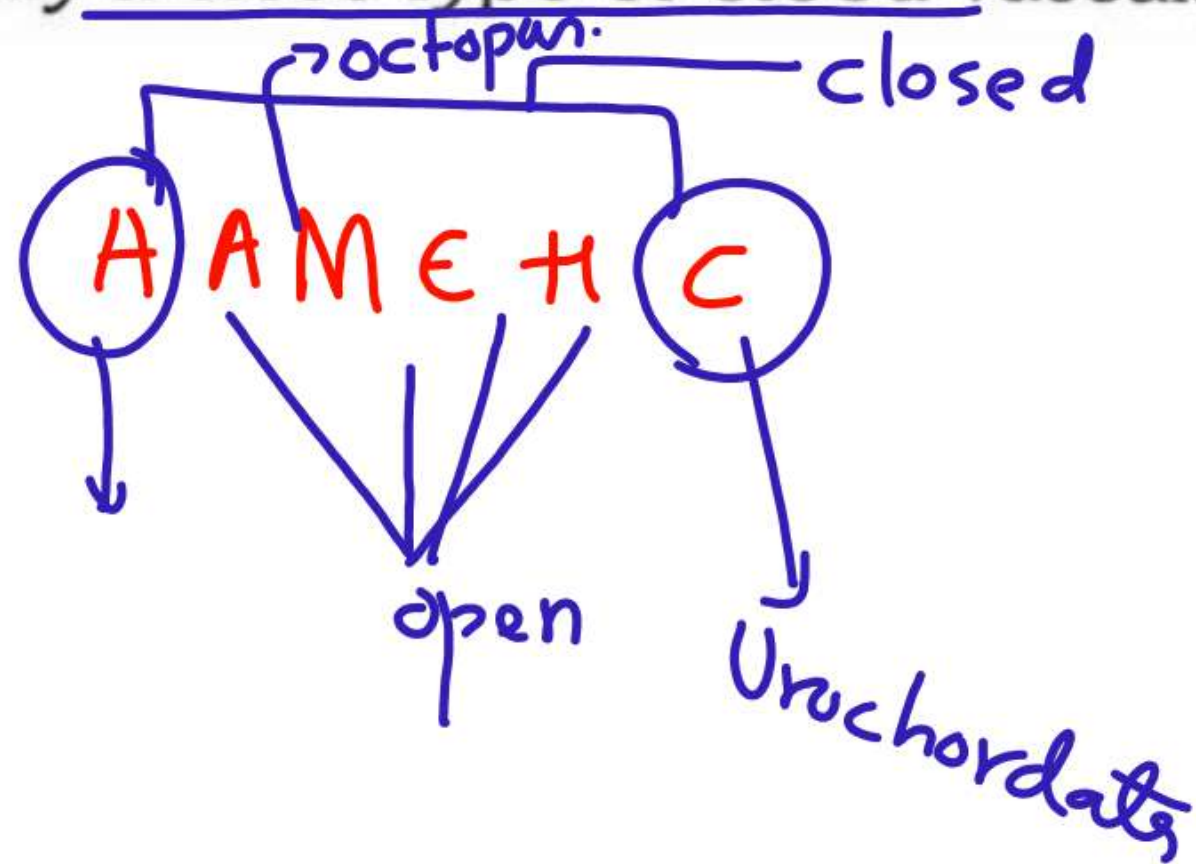
(d) *Aurelia* and *Paramecium*.

(2006)

Radial

Members of phylum Arthropoda lack one of the following feature :-

- (1) External skeleton ✓ made of chitin
- (2) Compound ✓ eyes
- (3) Excretion by malphigian ✓ tubules
- ✓ (4) Usually a close type of blood vascular system



Which of the following animal is considered as

"Living fossil" :-

~~(1) Limulus~~ → King crab

(2) Spider

(3) Eupagurus

(4) Scorpion

← Arthropoda.

Select the economically important insect

ing fossil ← (1) *Locusta*
(3) *Aedes*

Vector

Vector ← (2) *Culex*
~~(4) *Apis*~~

Which of the following characteristic is not of
phylum Mollusca:

- (1) Soft body covered usually by a shell ✓
- ~~(2) Segmented body~~ → Unsegmented
↓
Head
foot
V.H
- (3) Triploblastic ✓
- (4) Presence of coelom ✓

Member of Echinodermata has a specific system,
which is not found in other phylum, it is :-

(1) Canal system —————> Porifera .

~~(2)~~ Water vascular system

(3) Respiratory system

(4) Jointed appendages —————> Arthropoda .

Segmentation of body is not represented in :-

Arthropoda

(1) Cray - fish

(3) Grass hopper

↓
Arthropods

~~(2) Sepia (Mollusca)~~

(4) Silver fish

↓
Arthropods

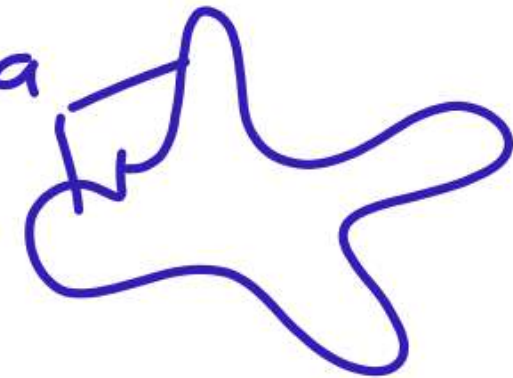
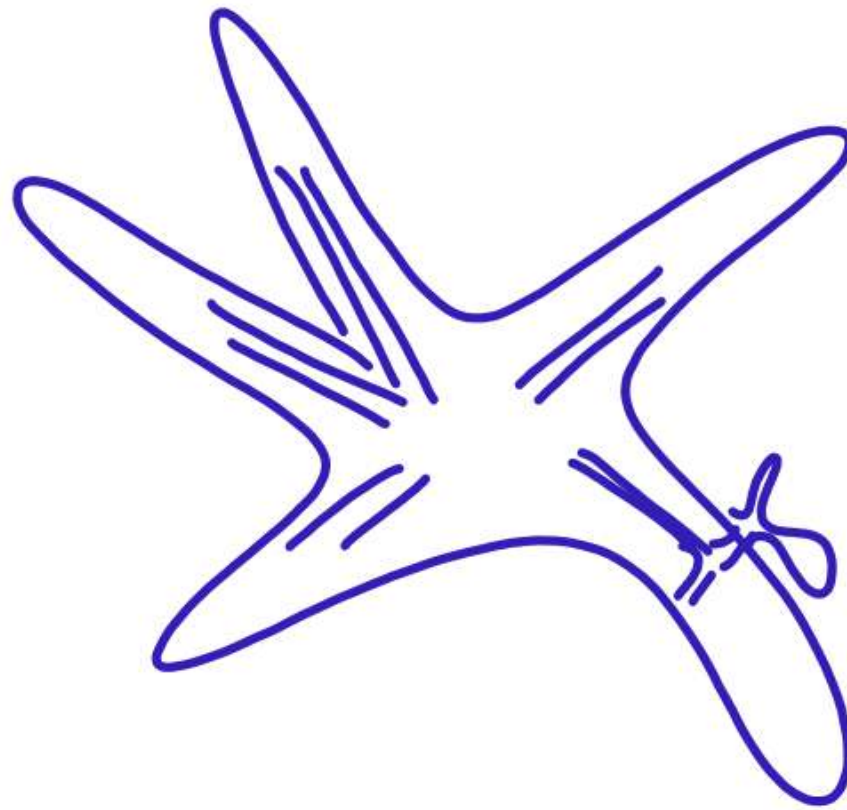
Locomotory organs of echinoderms are :

(1) Tube feet

(2) Setae → Earthworm

(3) Parapodia → Aquatic Annelida.

(4) Pseudopodia → Amoeba



Animal .k.

Multicellular

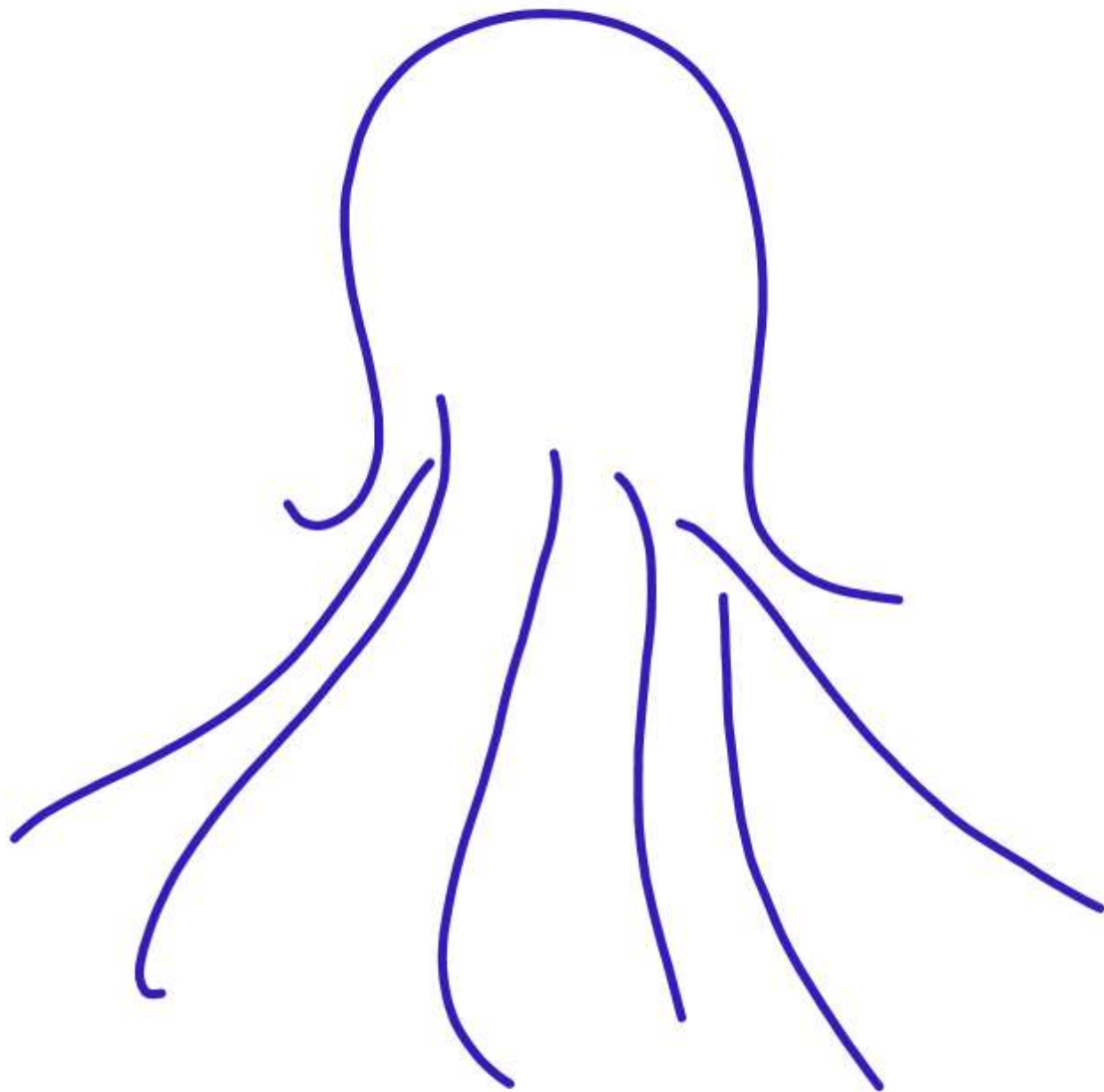
Porifera. → cellular organisation
← Sycon belongs to a group of animals, which are best described as :-

- ~~(1) Unicellular~~ or acellular
- (2) Multicellular without any tissue organization
- (3) Multicellular with a ~~gastrovascular~~ system
- (4) Multicellular ~~having~~ ~~tissue~~ organization, but no body cavity

Cœlentrate

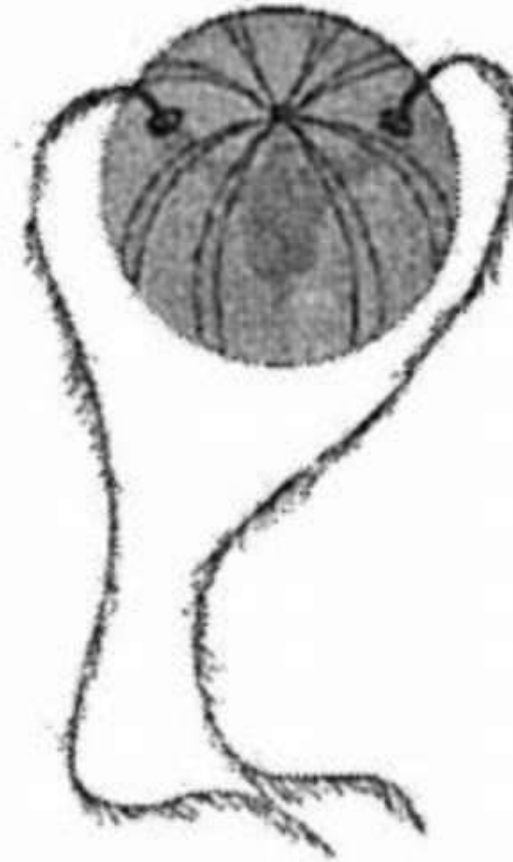
Which animal is umbrella-shaped and free swimming.....

- ~~(1) Aurelia~~ ~~(2) Jelly-fish~~ (3) Hydra (4) 1 and 2



Identify the animal shown in diagram

NCERT



(1) Tape worm

(3) Neris

☒ (2) Pleurobrachia

(4) Octopus

NCERT

Identify the animal

- ~~(1) Ascidia~~
- ~~(3) Amphioxus~~
- (2) Salpa
- (4) Doliolum



Which one of the following mammalia live in water

(1) Bat

(2) platypus

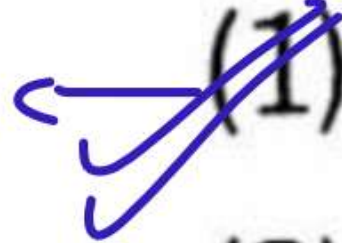
(3) Macropus

☒ (4) Blue whale

Which of the following is **not** an exclusive trait of arthropoda?

- ☒ (1) Presence of wings — *Aves*
- (2) Jointed appendages
- (3) Compound eyes
- (4) Chitinous exoskeleton

Air bladder is absent in _____

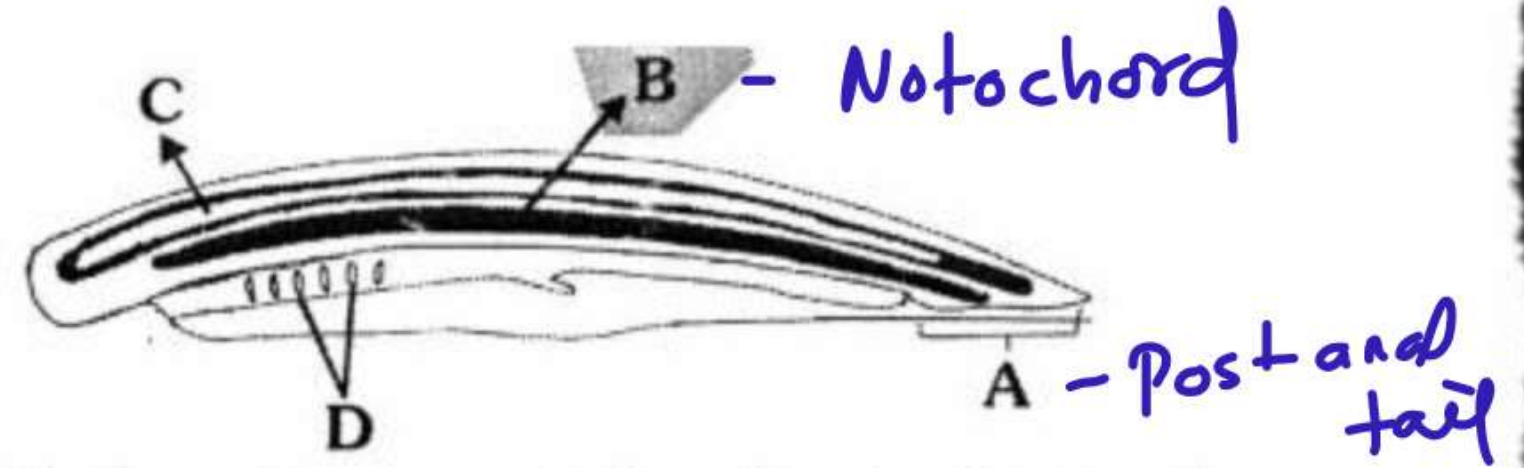
Scoliodon  ~~(1) Dog fish~~
(3) Rohu

(2) Catla

(4) Flying fish


chondrichthyes

B



A schematic representation of a chordate's embryo is shown in the above figure.

The structures marked A, B, C and D are respectively :-

- (1) ~~Notochord~~, ~~Nerve cord~~, Intestine and gill slits
- (2) Postanal part, ~~Gill slits~~, Nerve cord and Notochord
- (3) Postanal part, ~~nerve cord~~, Notochord and Gill
- ✓✓ (4) Post anal part, Notochord, Nerve cord and Gill slits.

Read the characteristics given below

- ✓ (a) Jointed appendages
- ✓ (b) Chitinous exoskeleton
- (c) Parapodia ✗
- (d) Calcareous exoskeleton ✗

Arthropoda.

How many of these characteristics are found in organism whose excretory structures are Malpighian tubules?

(1) One

(2) Three

✓ (3) Two

(4) Four



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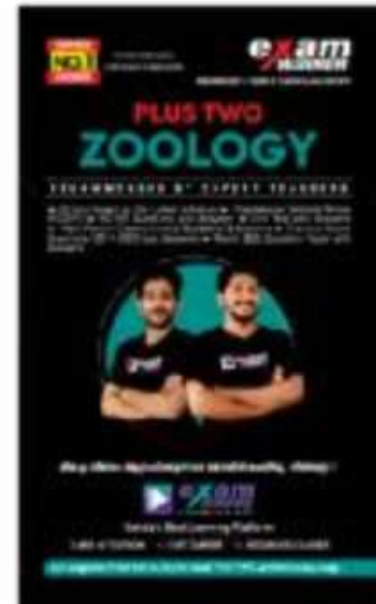
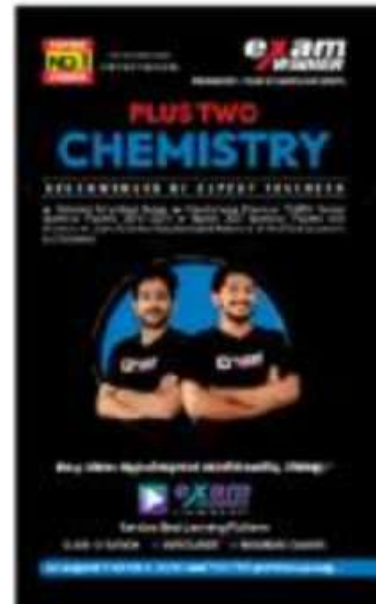
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