

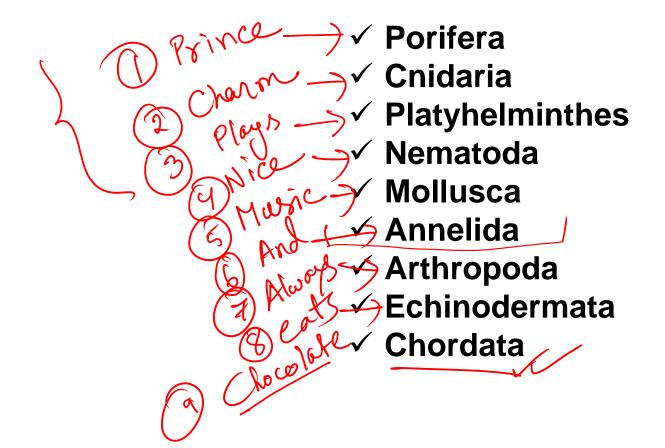
Class 11 Academic Program-2020

BIOLOGY 2ND PAPER : Z-01 Chapter 01 : Animal Diversity & Classification Journal Optimization Chapter Strategy & Classification Chapter Strategy & Strategy &

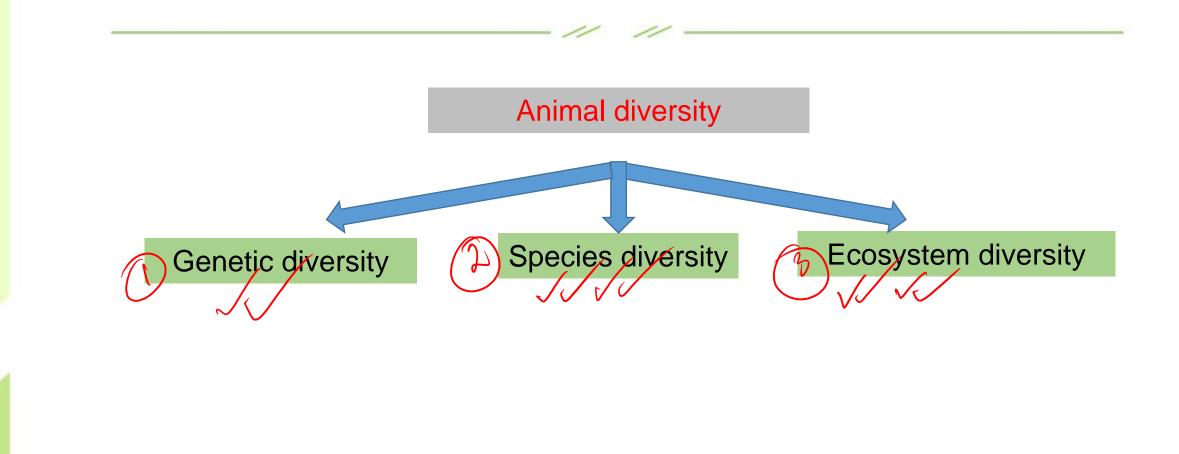


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What we will learn today

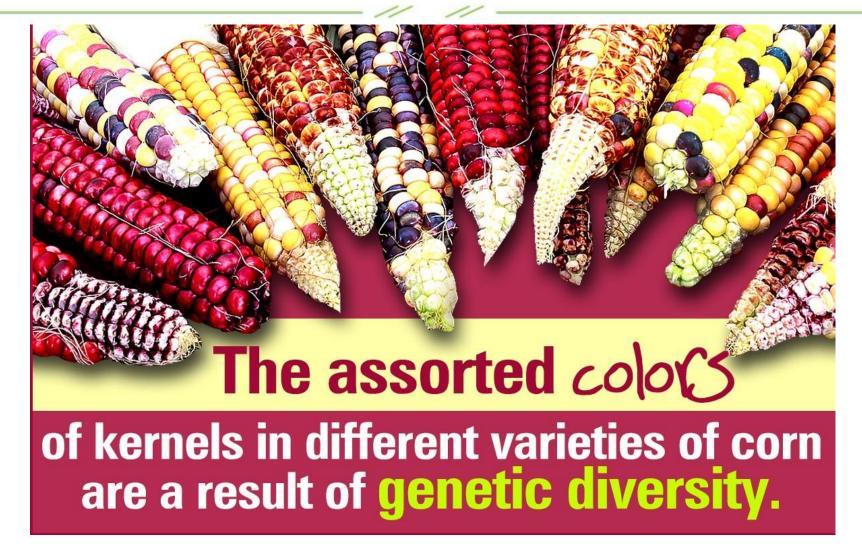








Genetic diversity





Species Diversity





Ecosystem Diversity



Marine ecosystem





Basis of Animal Classification

Body shape
Grades of organization

Way of living

Cleavage & development

Germ lavers

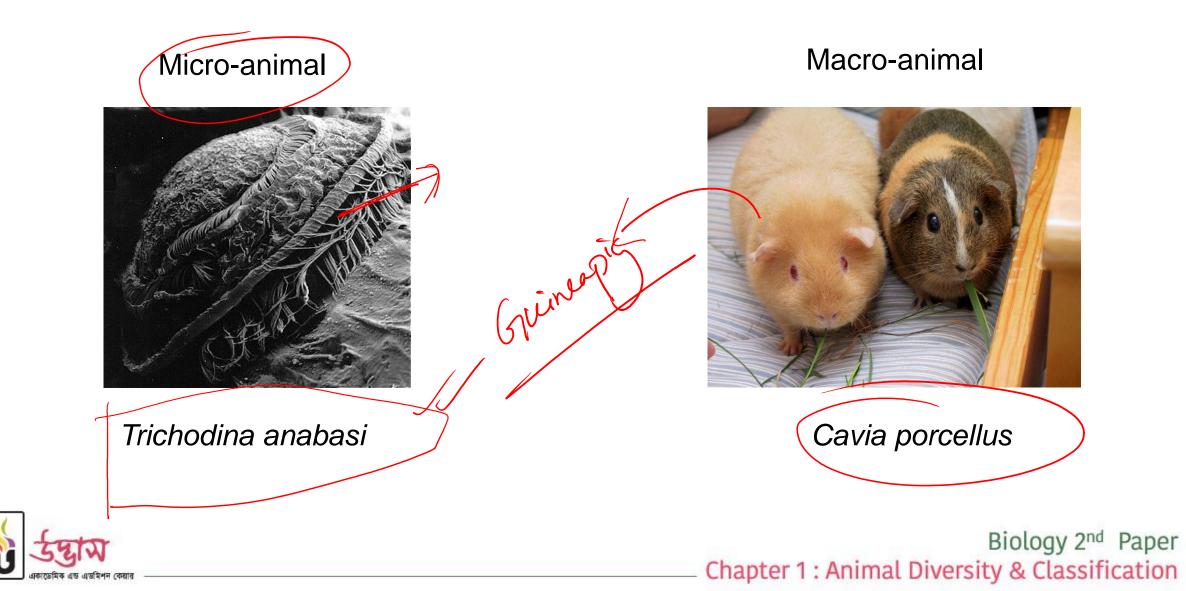
Symmetry

Le C

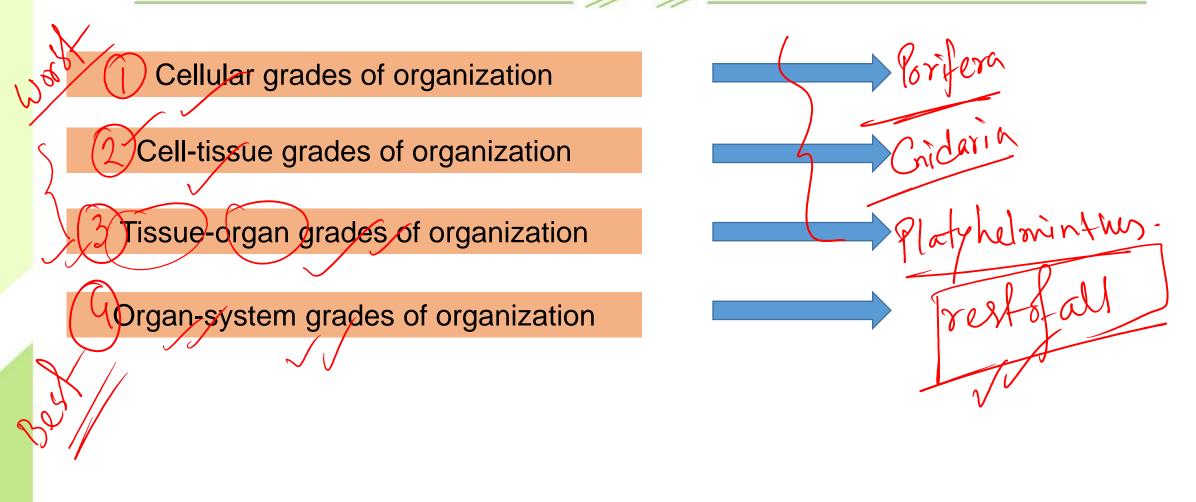
Tagmatization
Polarity
Planes
Coelom
Notochord
Alimentary canal

Metamerism

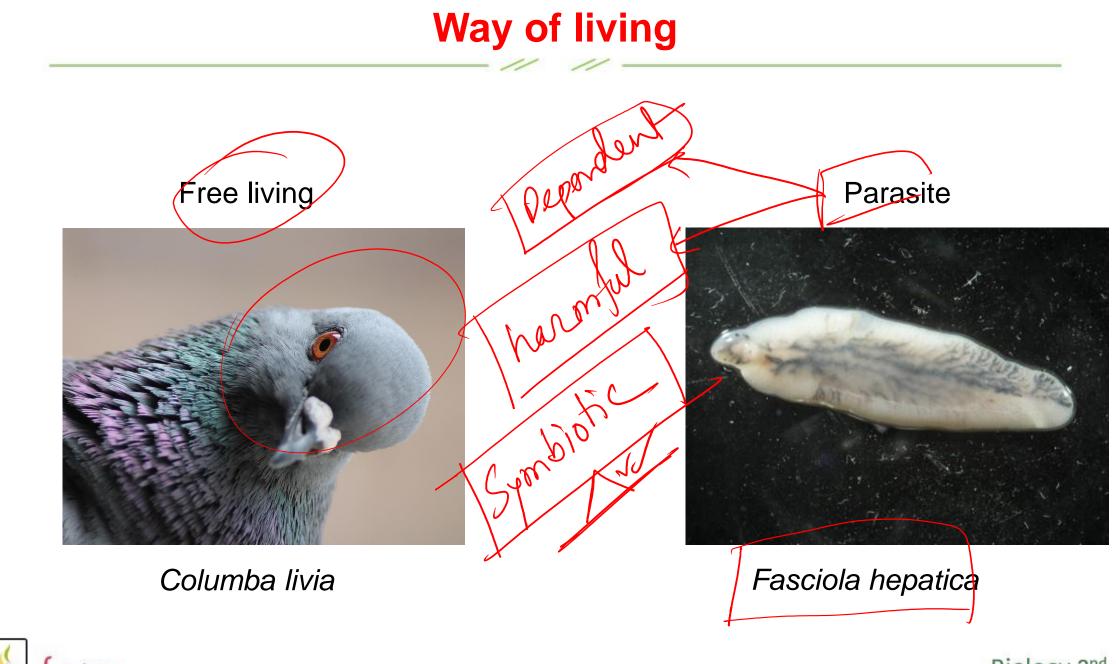




Grades of Organization

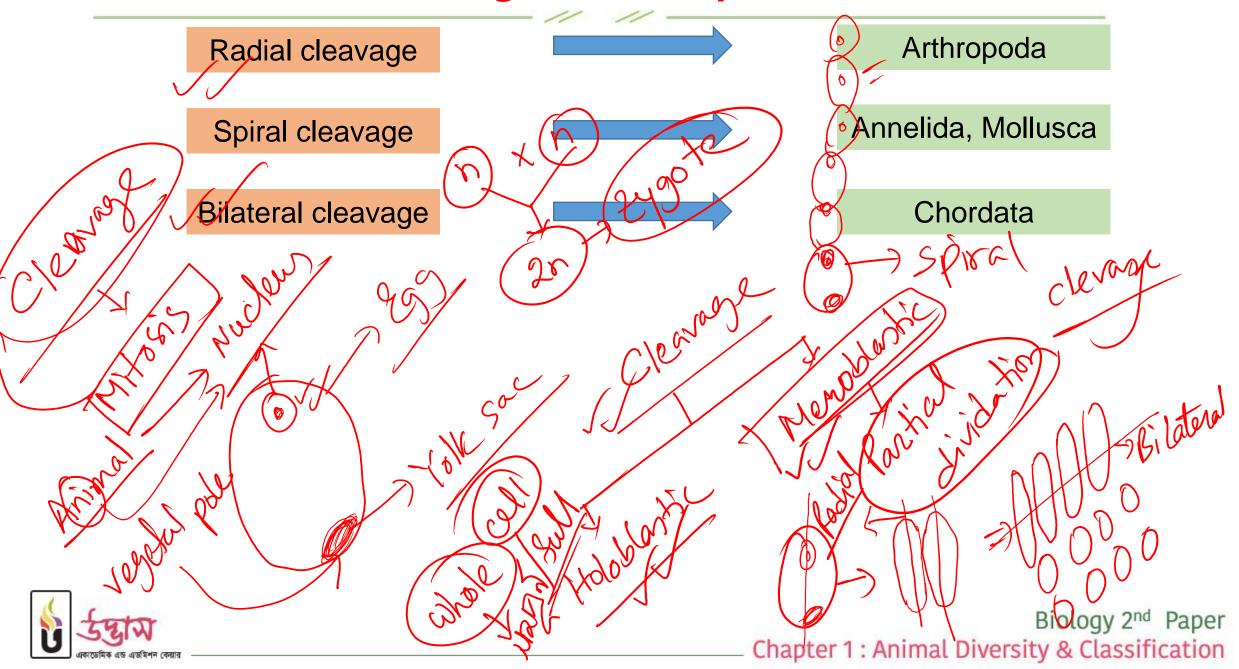






টি একাডেমিক এন্ড এডমিপন কেয়ার -

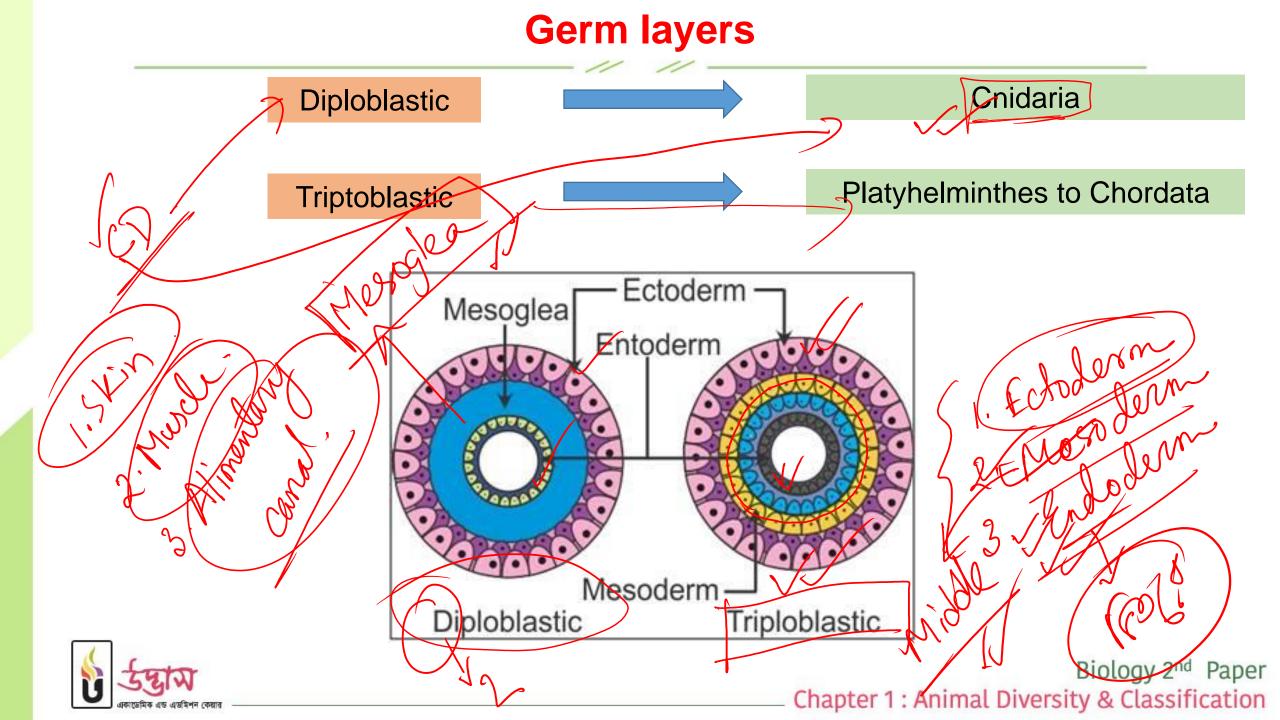
Cleavage & development

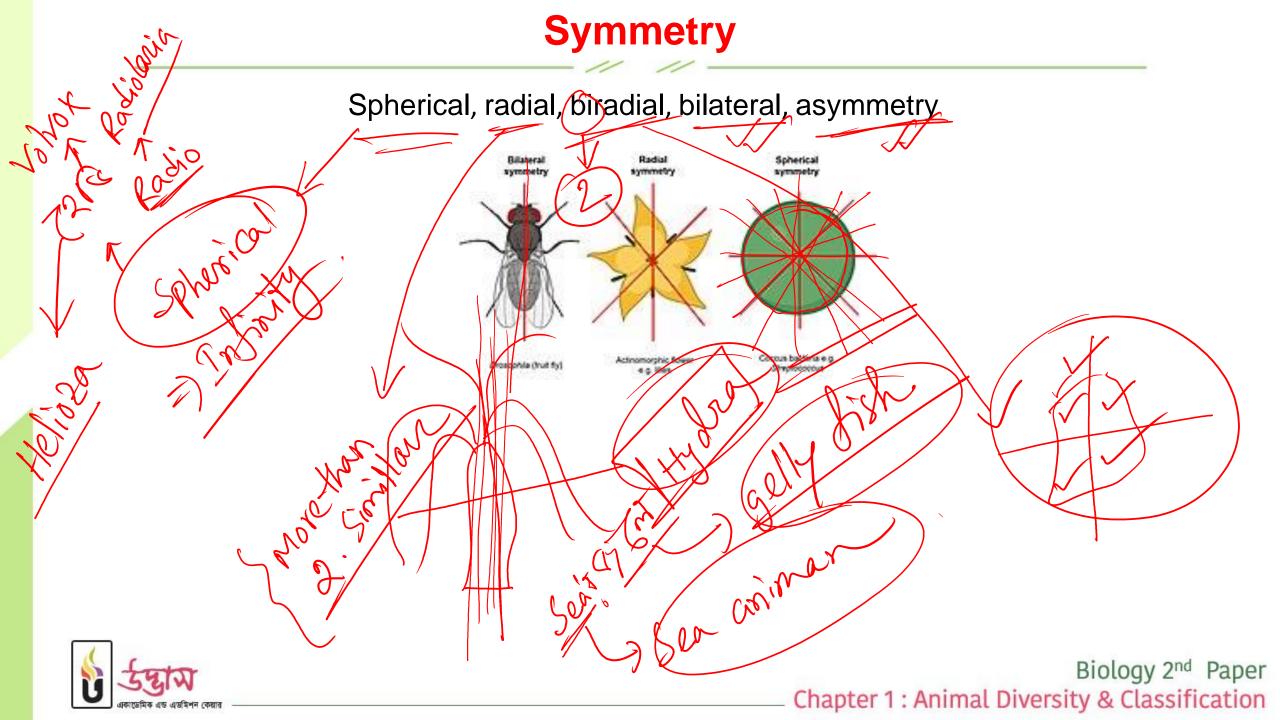


বিশ্রাম কাজের অঙ্গ, এক সঙ্গে গাঁথা; নয়নের মণি যেমন নয়নের পাতা।

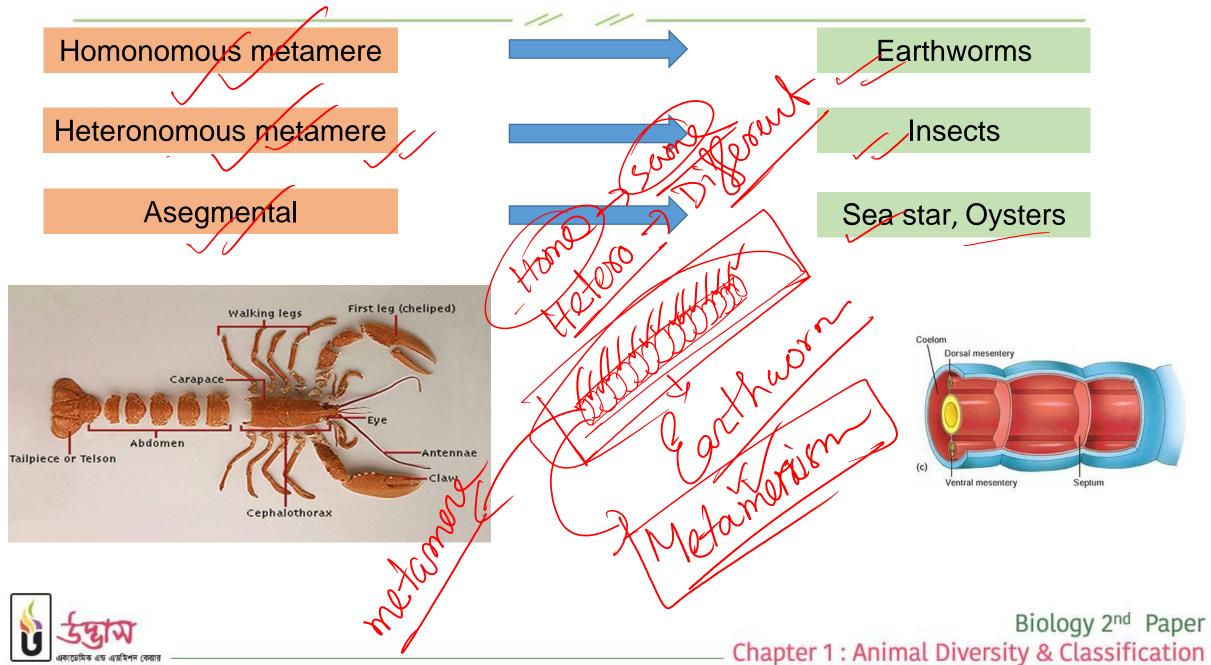






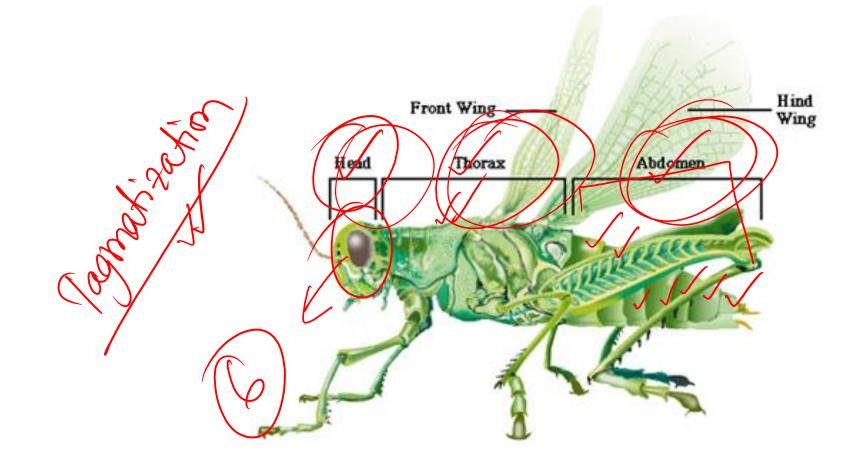


Metamerism



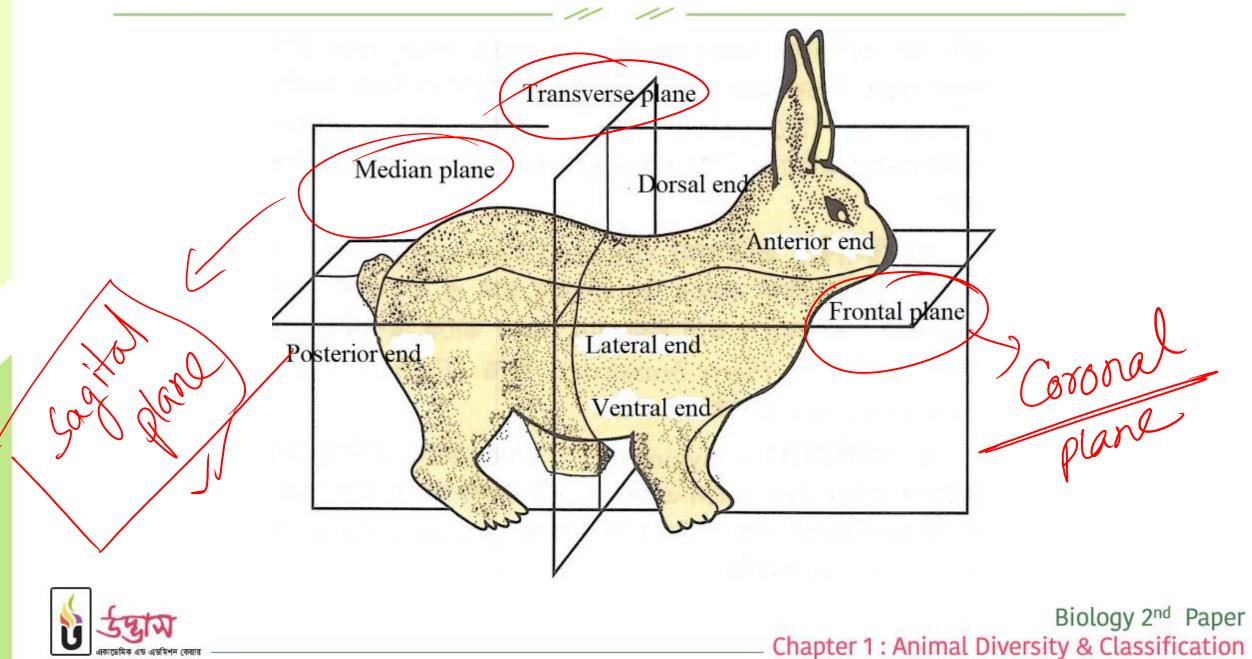




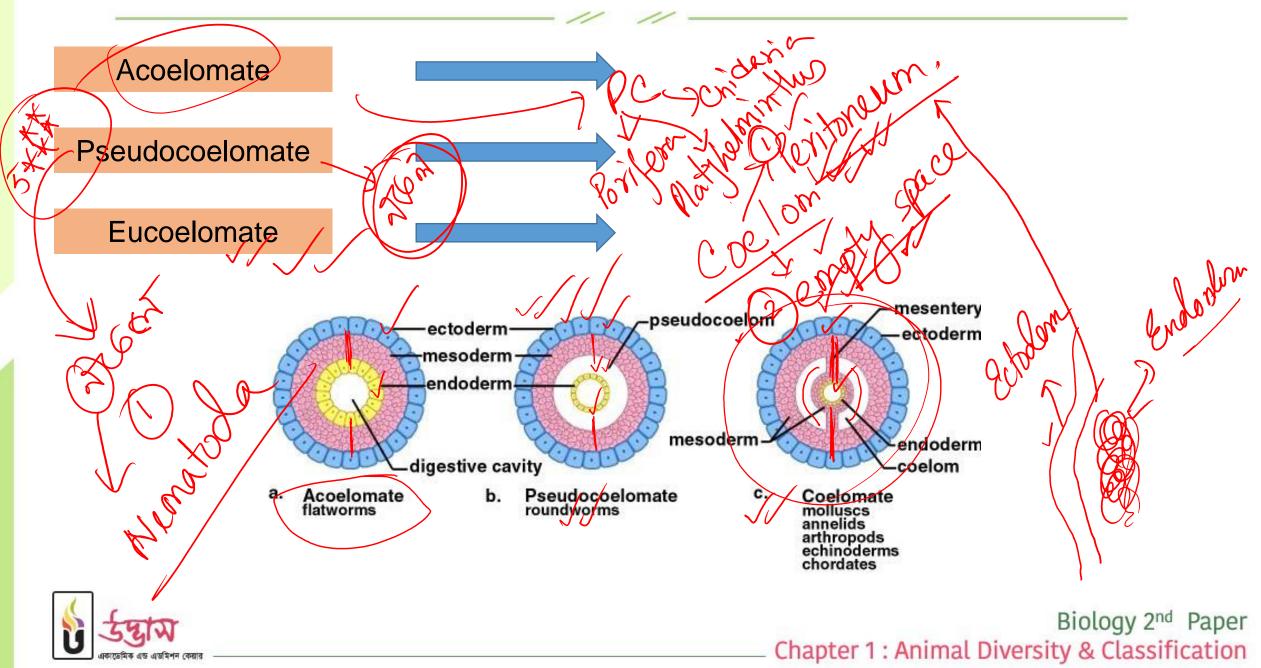




Polarity & Planes



Coelom



Poll Question-01

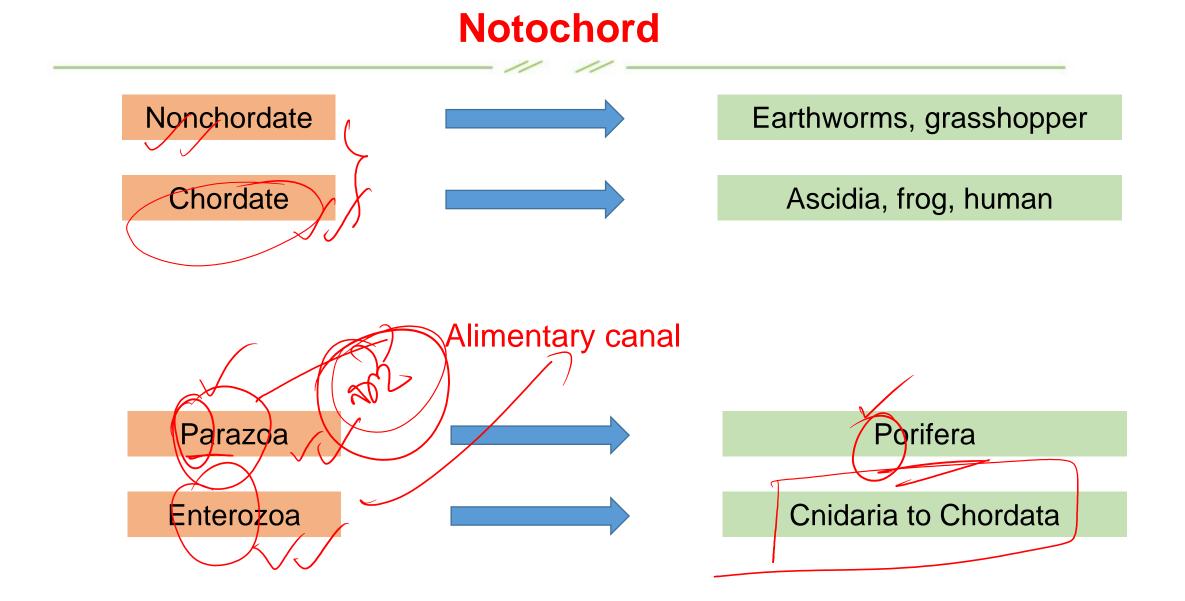
□ Which of the following is a pseudocoelomate?

(a) Platyhelminthes(b) Nematoda

(c) Mollusca

(d) Annelida



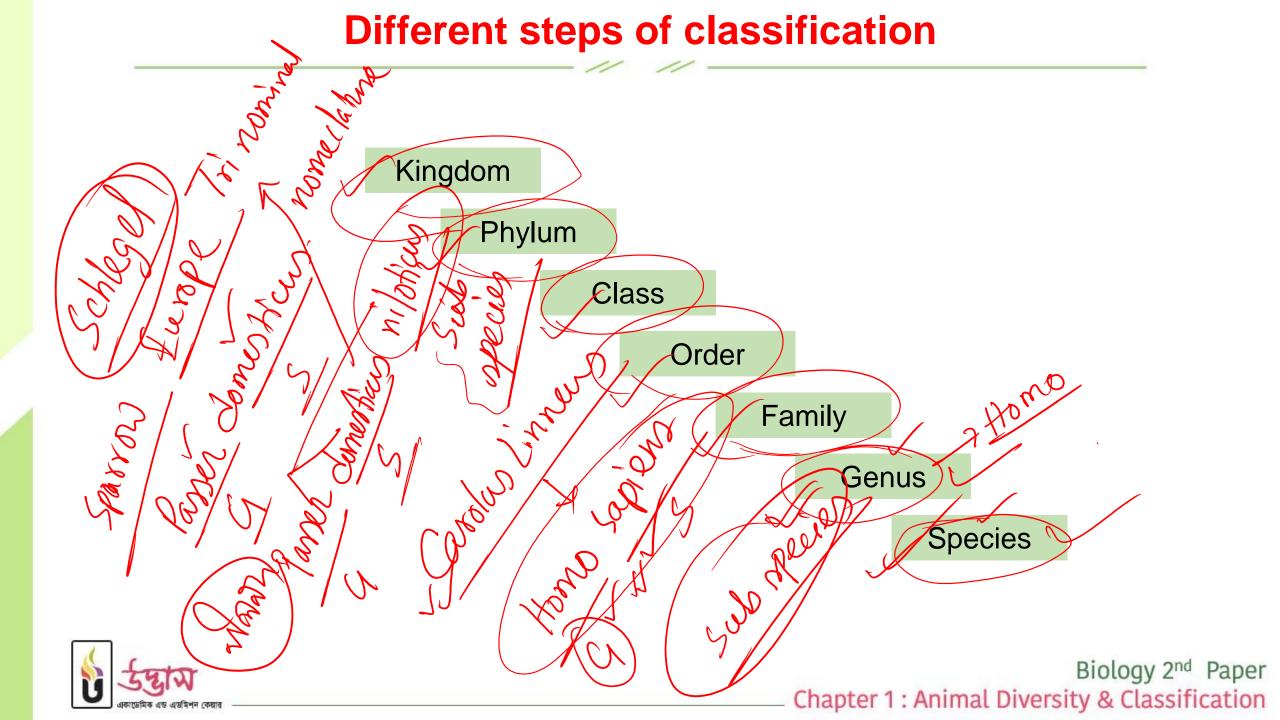




বিশ্রাম কাজের অঙ্গ, এক সঙ্গে গাঁথা; নয়নের মণি যেমন নয়নের পাতা।







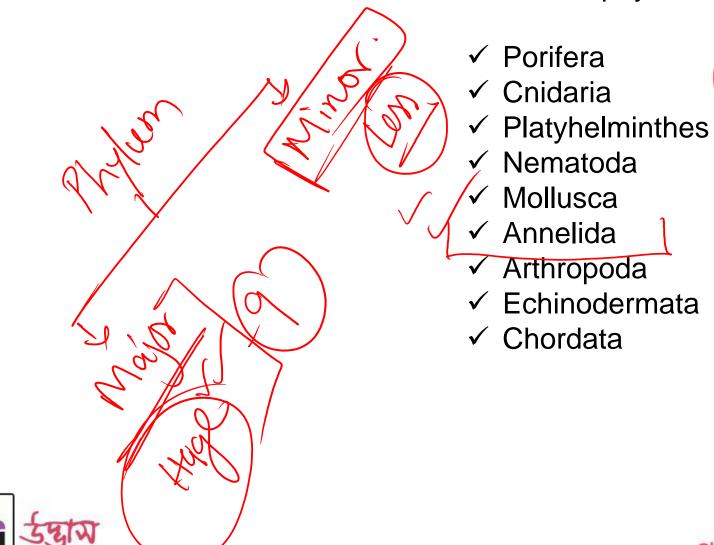
Binomial nomenclture

- \checkmark Scientific name has two parts.
- \checkmark The first part is genus name and the second part is specific epithet.
- ✓ The scientific name must be Latin or latinized. The entire two-part name must be written in italics (or underlined when handwritten).
- ✓ The genus name is always written first and it must be capitalized. The specific epithet is never capitalized.

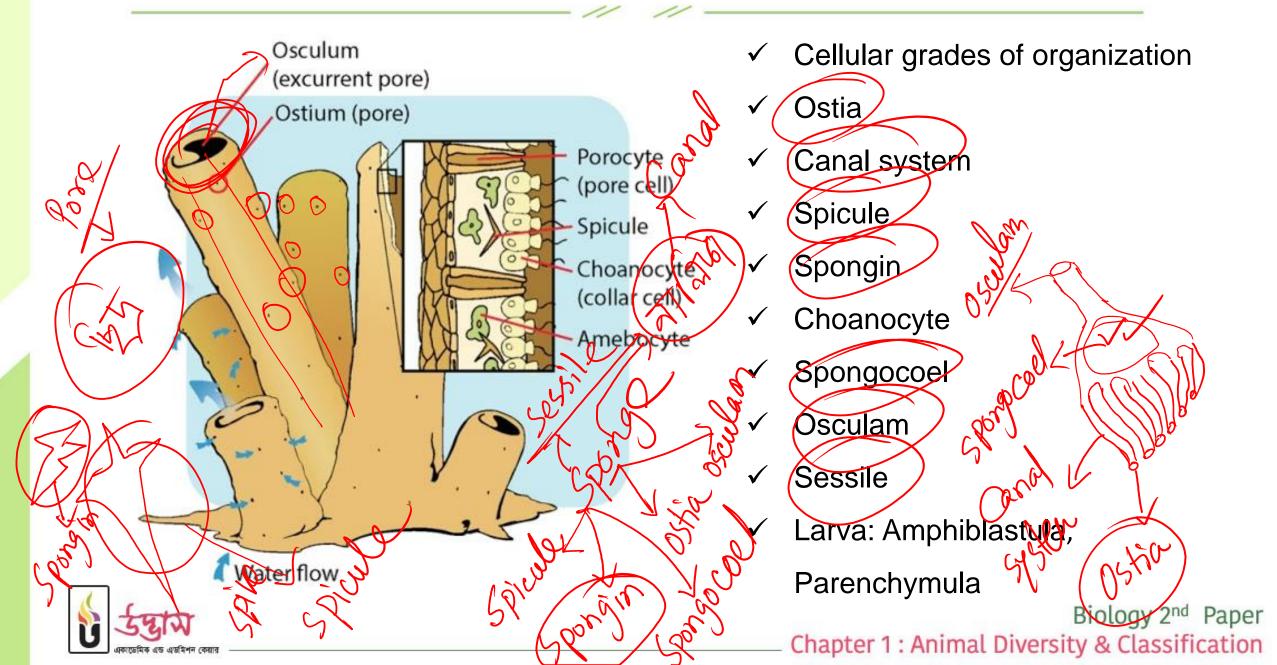


Major phyla

There are 33 phyla in kingdom Animalia. 9 of them are called major phyla. Rest of them are called minor phyla.



Porifera



Cnidaria

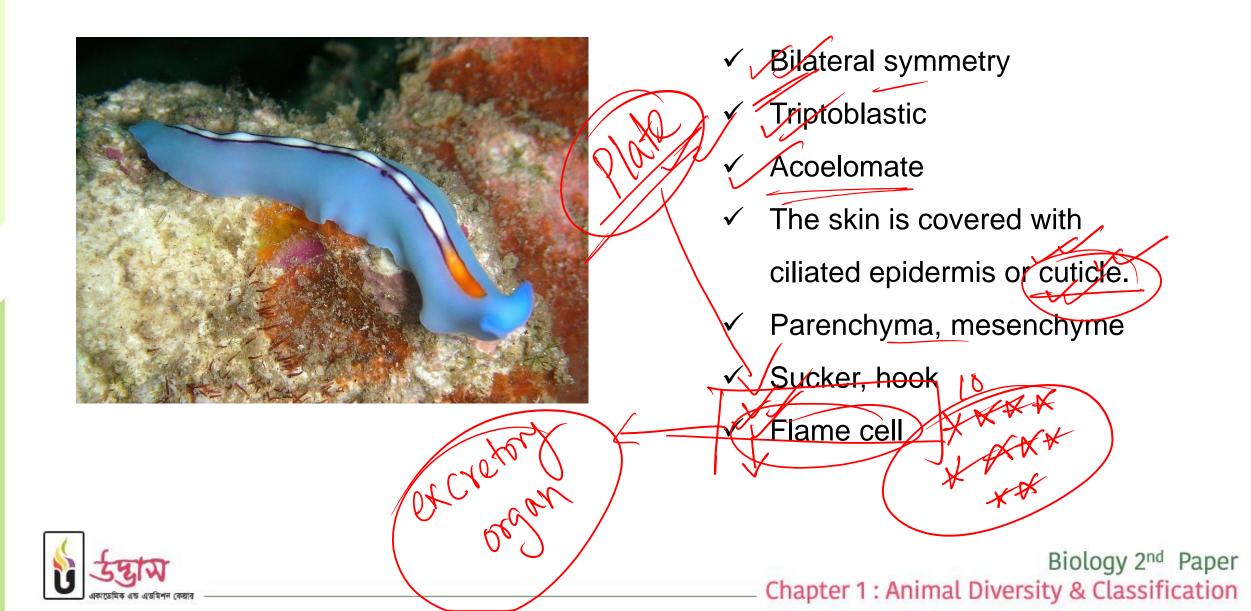


- 202

Cell-tissue grades of organization, ✓ Raidial symmetry Diploblastic. Outer later is called epidermis and inner layer endodermis. There is non-living mesolglea between these two. Nematocysts, cnidocyte Coelenteron Polyp, medusa arva: Plannula



Platyhelminthes



Poll Question-04

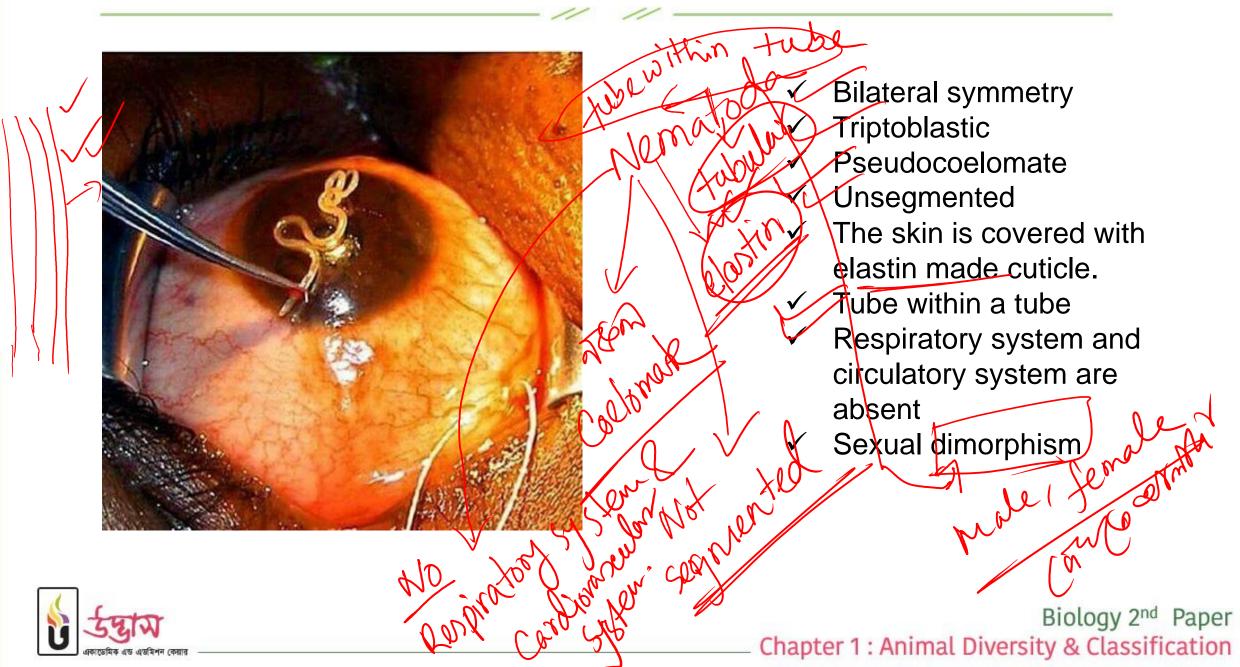
□ Flame cell is a characteristic of _____

(a) Platyhelminthes

- (b) Nematoda
- (c) Mollusca
- (d) Annelida



Nematoda



Poll Question-03

□ Which of the following shows sexual dimorphism?

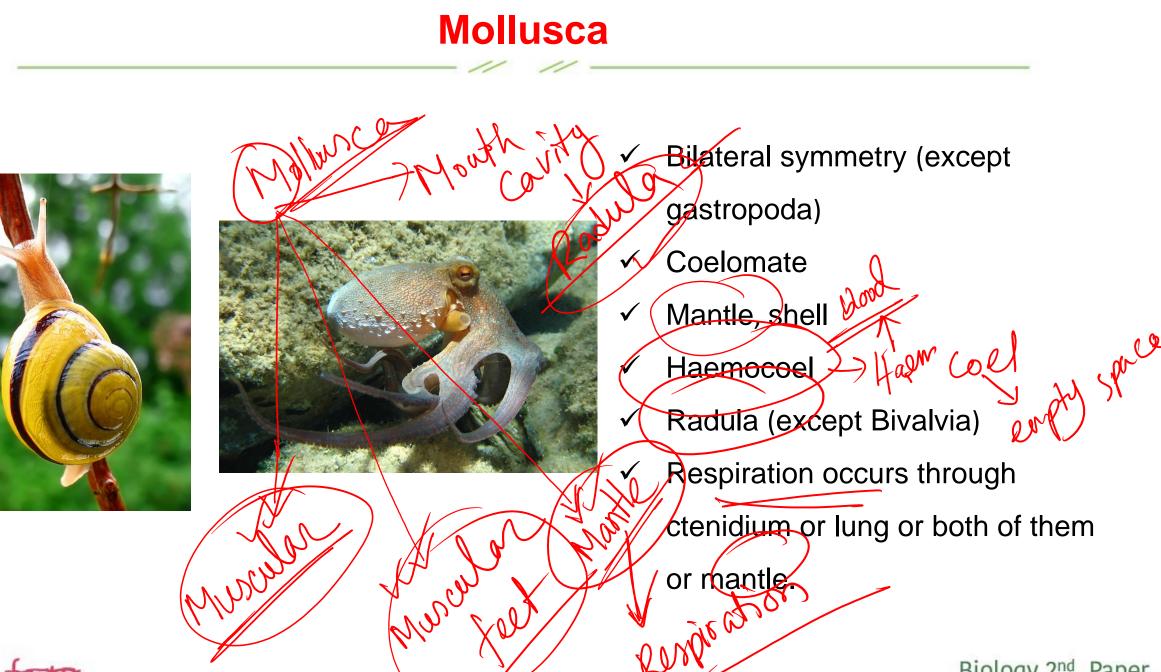
(a) Platyhelminthes

(b) Nematoda

(c) Mollusca

(d) Annelida





্র্রিয়াম একাডেমিক এন্ড এডমিশন কেয়াহ

Poll Question-02

□ Radula is a characteristic of ____

(a) Platyhelminthes

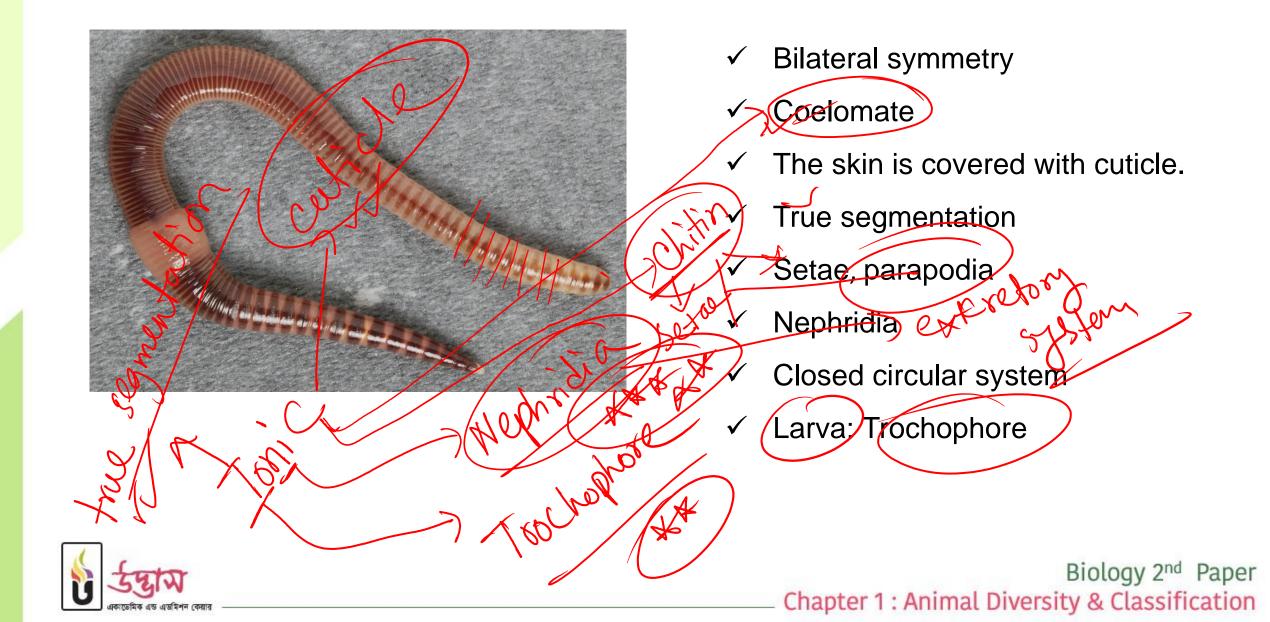
(b) Nematoda



(d) Annelida



Annelida



Poll Question-05

□ Which of the following is the excretory organ of annelida?

(a) Setae(b) Parapodia(c) Nephridia

(d) Trochophore



