

# Unit # 5 Kingdom Animalia 1. Basic Terms

Sunday, July 10, 2022 11:26 AM

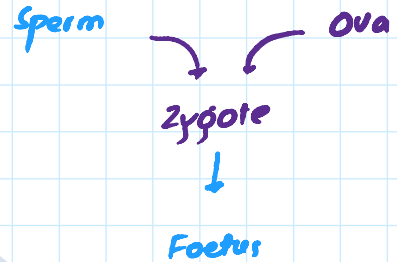
## KINGDOM ANIMALIA

→ Complex

Anima → Breath, Soul

- multicellularity
- Eukaryotic cells
- Diploid
- Heterotrophs (Ingestive)

Two different gamete



- Life style (Free living, Sessile, Parasitic)
- Size (microscopic ↔ macroscopic)

## SYMMETRY



RADIAL

### DIPLOBLASTIC

↳ (Degree of Special)

- ECTO
- ENDO
- ↳ Mesoglea / mesenchyma



BILATERAL

### TRIPLOBLASTIC

- ECTO
- ENDO
- ↳ MESO Coelom

## PROTISTA

### EUMETAZOA

Tissue organization  
Symmetry

### PARAZOA

labour of division

### DIPLOBLASTIC

• CNIDARIA

Germinative layers

### TRIPLOBLASTIC

PORIFERA

### ACOELOMATES

- NO body cavity
- Platyhelminthes (Flat worms)

Ecto

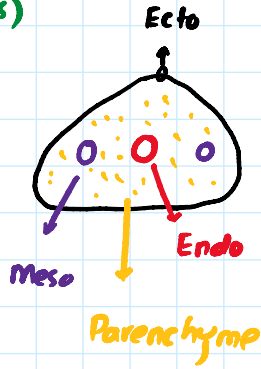
### PSEUDOCOELOMATE

- False cavity
- Ascheleminthes (Round worms)

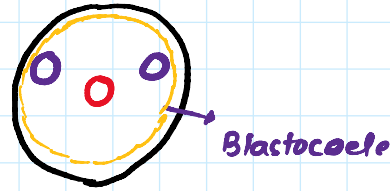
### COELOMATES

Coelom → Coelomic Fluid

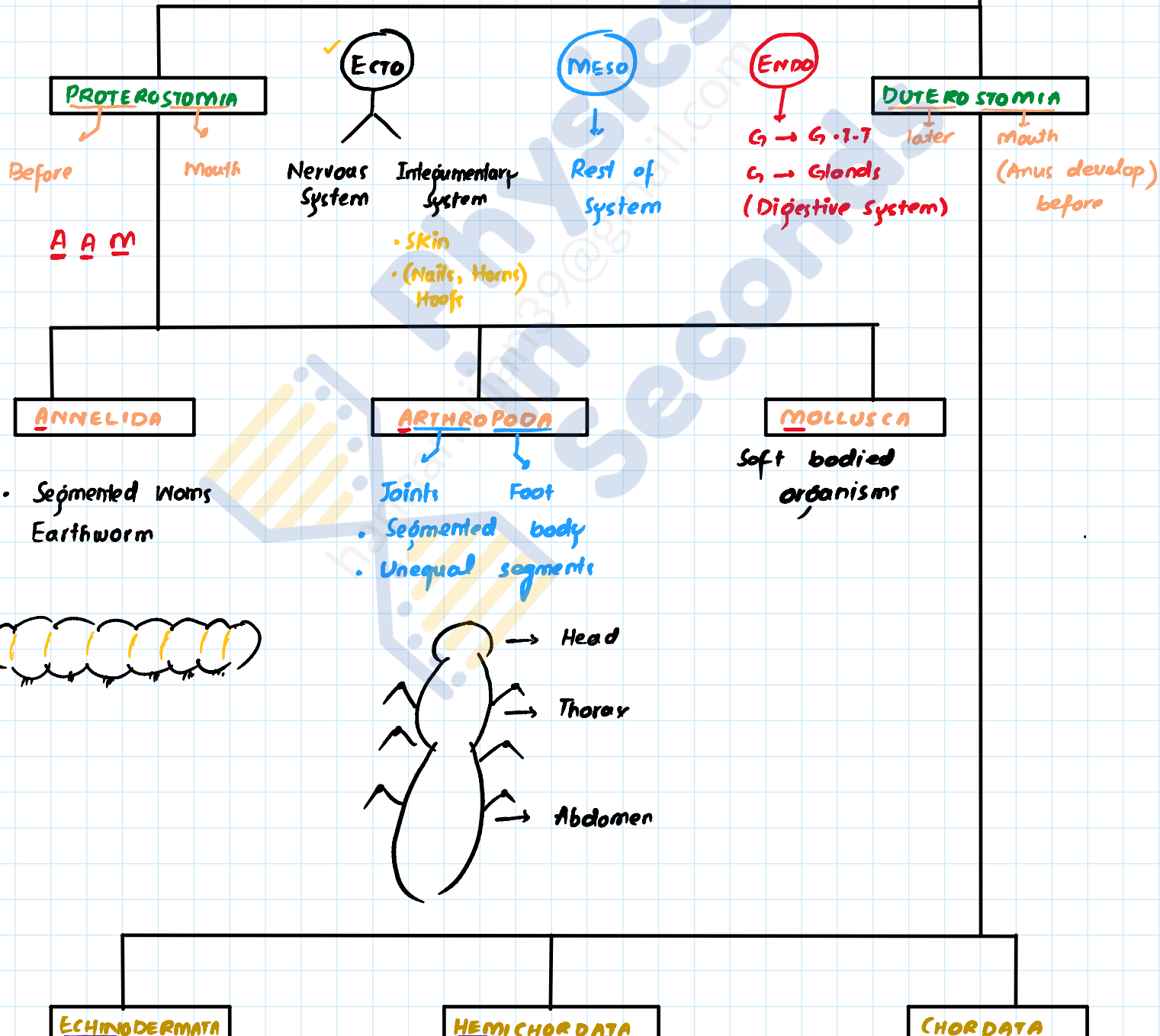
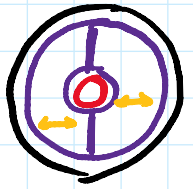
• **Platyhelminthes**  
(Flat worms)



• **Ascheleminthes**  
(Round worms)  
Nematodes (Pointed Ends)



Fluid



## ECHINODERMATA

- Spiny skin

## HEMICHORDATA

- Half vertebrates  
and Half invertebrates

## CHORDATA

- Vertebrates

