

Unit # 5 Kingdom Animalia 1. Basic Terms

Sunday, July 10, 2022 11:26 AM

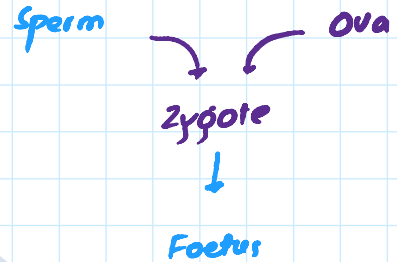
KINGDOM ANIMALIA

→ 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

DIPLOBLASTIC

- CNIDARIA

TRIPLOBLASTIC

ACOELOMATES

- NO body cavity
- Platyhelminthes (Flat worms)

Ecto

PSEUDOCOELOMATE

- False cavity
- Ascheleminthes (Round worms)

COELOMATES

Coelom → Coelomic Fluid

Tissue organization
Symmetry

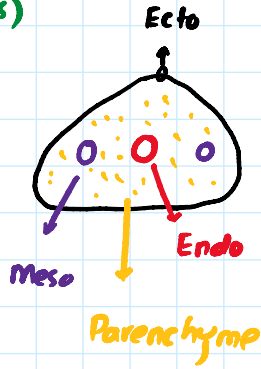
Germinative layers

PARAZOA

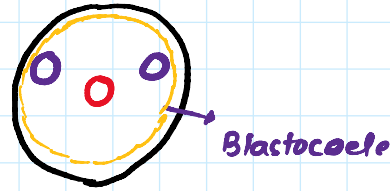
labour of division

PORIFERA

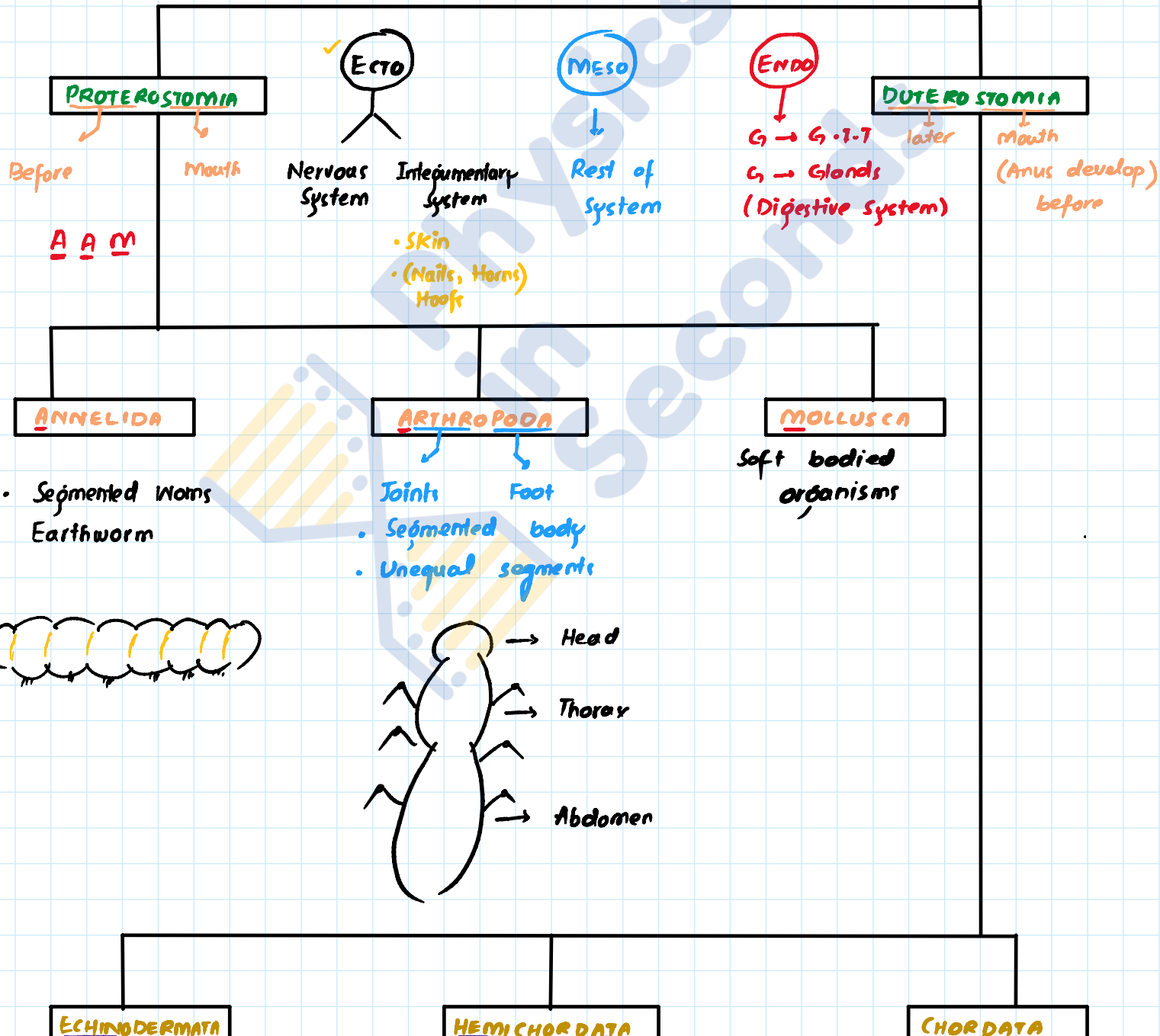
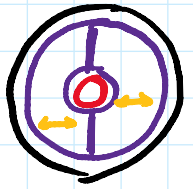
• **Platyhelminthes**
(Flat worms)



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



Fluid



ECHINODERMATA

- Spiny skin

HEMICHORDATA

- Half vertebrates
and Half invertebrates

CHORDATA

- Vertebrates

