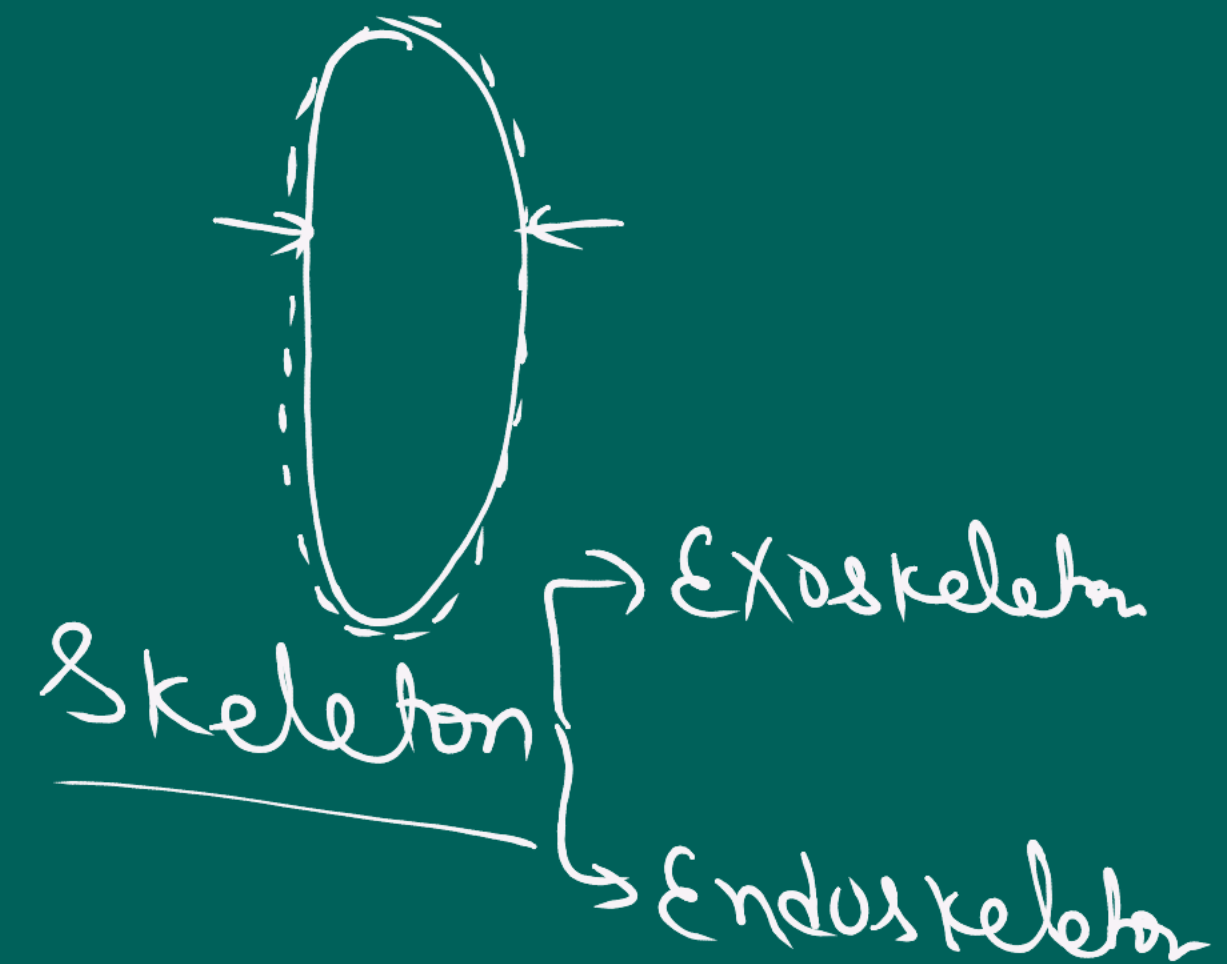


Arthropoda : [Arthro - jointed, Poda - legs]

Largest Phylum.

- ⇒ Aquatic (Marine, Fresh water), Aerial, Terrestrial etc.
- ⇒ Bilaterally symmetry.
- ⇒ Triploblastic.
- ⇒ Coelomate.
- ⇒ Body is covered with a hard structure called chitin (Carbohydrate) which works as an exoskeleton.



⇒ Body is segmented (Externally)

⇒ Eye - Simple eyes, Compound eyes or both.

⇒ Presence of antennae (Tactile organ)

⇒ Body is differentiated into

Head, thorax & abdomen.

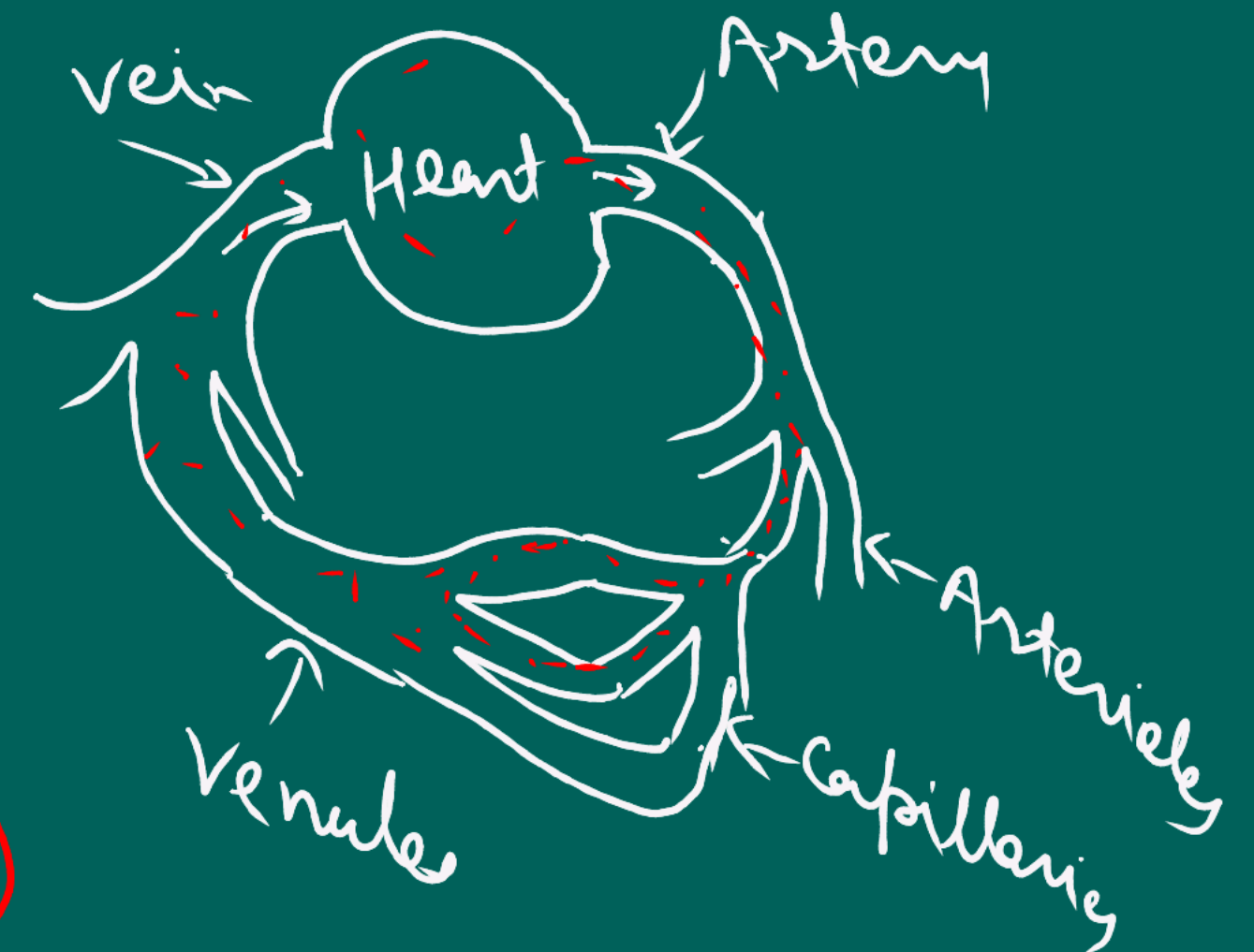
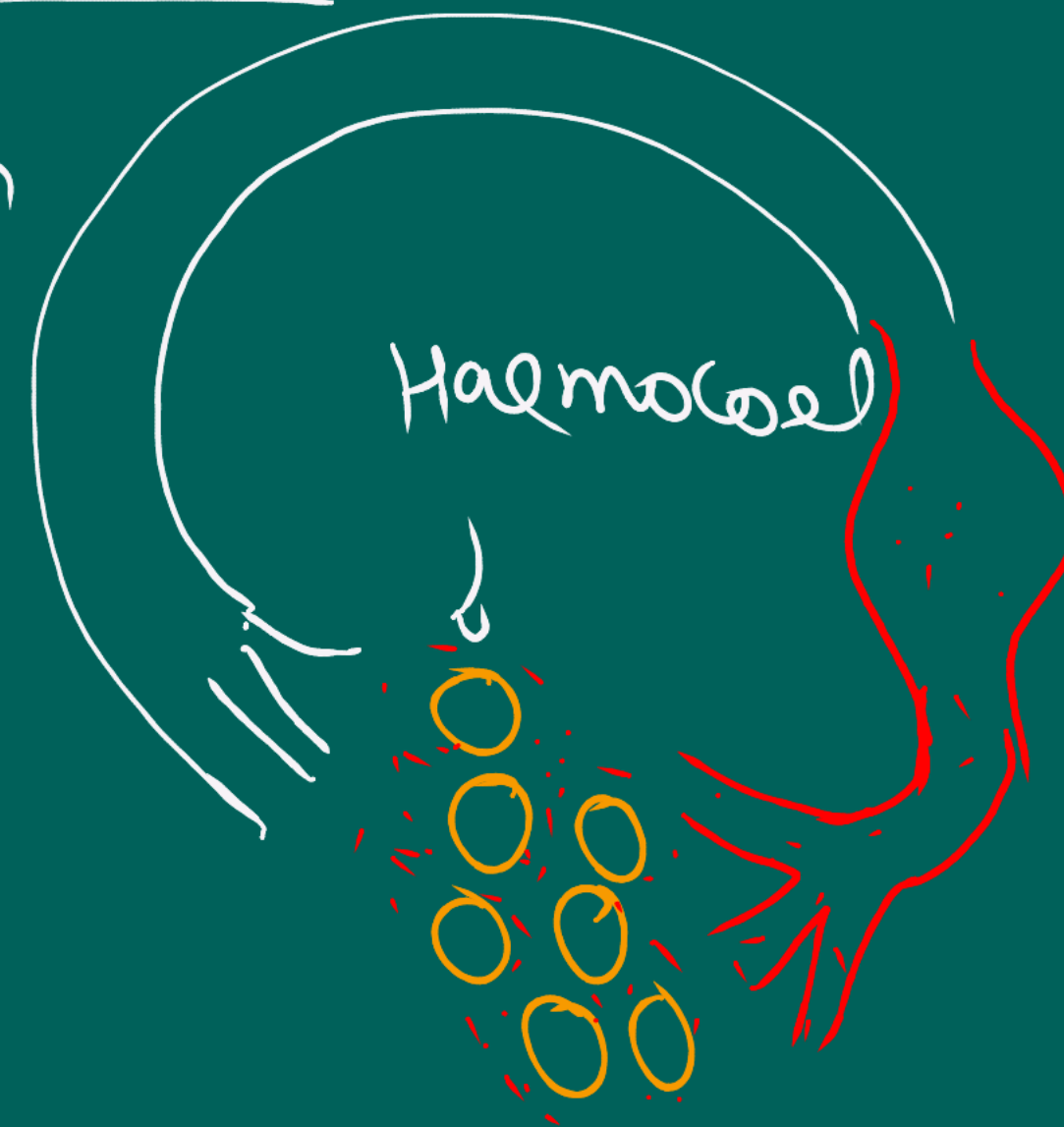
Unit of Compound eye - Ommatidium
(Ommatidia - Pl.)



⇒ Head & thorax are fused called cephalothorax.

⇒ Circulatory system is of open type.

⇒ Excretion is done by malpighian tubules or green glands.



⇒ Unisexual or Bisexual.

⇒ Reproduction - sexual

Ex - Cockroach, Spider, Mosquito, Honey bee etc.

Breathing - spiracles, trachea, gills

Mollusca :-

2nd largest Phylum.

⇒ Aquatic, moist Place.

⇒ Asymmetry (Bilateral symmetry - larval stage)

⇒ Triploblastic.

⇒ Coelomate.

⇒ Soft body may or may not covered with hard shell made up of calcium carbonate.

⇒ Body is differentiated into four parts i.e. Head, Muscular foot, Visceral mass & mantle.

⇒ Head bears one pair of antennae with eyes.

⇒ Well developed nervous system.

⇒ Digestive system is well developed.

⇒ circulatory system is of open type.

⇒ Excretion - Organ of Bojanus, Protonephridia etc.

⇒ Breathing through general body surface, gills or Pulmonary sac.

⇒ Unisexual & Bisexual.

⇒ Reproduction - Sexual.

Ex - Pila, Snail, Union, Slug, octopus (Devil fish) etc.

