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## MOLLUSCA - CLASSIFICATION

Mollusca are soft bodied animals characterised by a shell, a foot, a mantle and gills or ctenidium.

It includes about 100,000 living species and about 35,000 fossil species.

### General characters:

- 1) Molluscs are multicellular organisms.
- 2) They have a bilateral symmetry, but snails are asymmetrical.
- 3) They are triploblastic animals.
- 4) They are coelomate animals. True coelom is reduced. The chaemocoel is well developed in them.
- 5) They have organ system grade of organization.
- 6) The body is soft and unsegmented.
- 7) The soft is covered by a fleshy fold of the body wall. It is called mantle.
- 8) The molluscs are provided with one or two calcareous shells. The shells may be external or internal.
- 9) Respiration is carried out by the gills or pulmonary chambers.
- 10) The digestive system is well developed. It contains a radula and hepatopancreas.
- 11) The circulatory system is open type.
- 12) The excretory organ is kidney.
- 13) The nervous system is well developed.

14) The sensory organs are eyes, statocysts and oespharadia.

15) Sexes are separate in them or they are hermaphrodite.

### Outline classification

Class - 1 - Aplousophora

Class - 2. Monoplousophora

Class 3. Polyplousophora

Class 4. Gastropoda

Subclass 1. Prosobranchia

Order - 1. Archaeogastropoda

Suborder 1. Docoglossa

Suborder 2. Rhipidoglossa

Order 2. Mesogastropoda

Order 3. Neogastropoda

Subclass - 2. Ophisthobranchia

Order 1. Cephalaspidea

Order 2. Anaspidea

Order 3. Thecostomata

Order 4. Gymnostomata

Order 5. Notaspidea

Order 6. Acochiliidae

Order 7. Sacoglossa

Order 8. Aobela

Subclass - 3. Plumonata

Order 1. Basommatophora

Order 2. Stylommatophora

Class - 5. Scapophora.

Class 6. Pelecypoda

Order 1 Protobranchiata

Order 2 Filibranchiata

Order 3 Pseudolamellibranchiata

Order 4 Eulamellibranchiata

Order 5 Septibranchiata.

~~Order 6~~

Class 7. Cephalopoda

Subclass 1 Nautiloidea

Subclass 2 Ammonoidea

Subclass 3 Coeloidea

Order 1. Decapoda

Order 2. Octopoda.

# Nervous System of Pila.

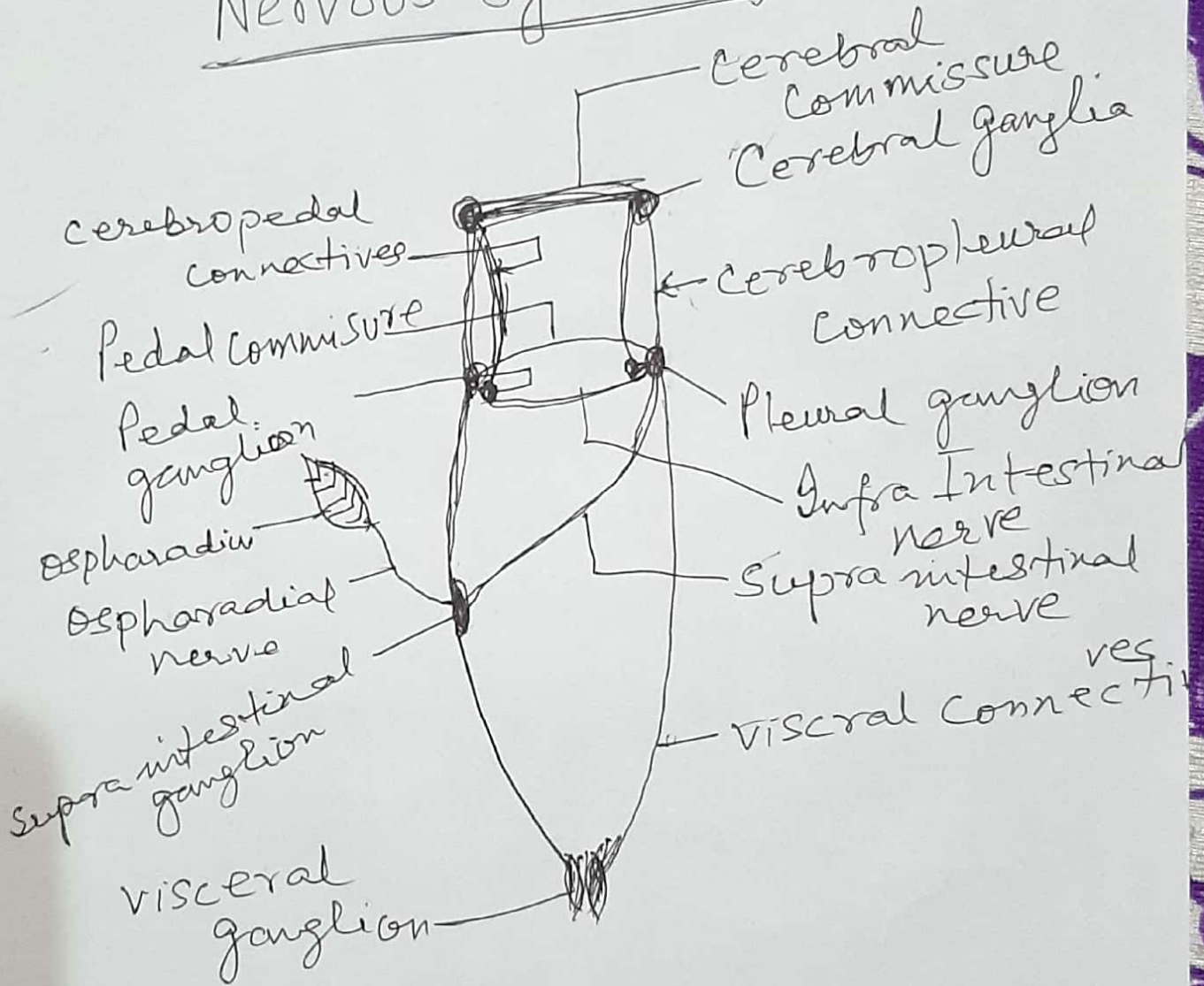


Fig - The Nervous System of Pila