Aquatic Invertebrate

LAB(4)

Phylum : Mollusca

1- Class : Polyplacophora Order : Chitonida

Genus : *Acanthochitona*

2- Class : Aplacophora Order :Neomeniamorpha

Genus : *Neomenia*

3- Class : Monoplacophora Order : Tryblidiida

Genus : *Neopilina*

4-Class : Gastropoda Order : Pulmonata

Genus : *Helix*

5- Class : Bivalvia Order : Eulamella branchia

Genus : *Anodonta*

6- Class : Scaphopoda Order : Dentaliida

Genus : *Dentalium*

7- Class : Cephalopoda Order : Dibranchiata

Genus : *Octopus*

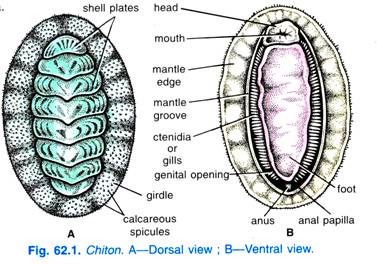
**Genus : *Acanthochitona***

- Dorsoventral flattened body

-Dorsal surface bears eight articulating plates

-The mantle forms a girdle around the margen of the plates

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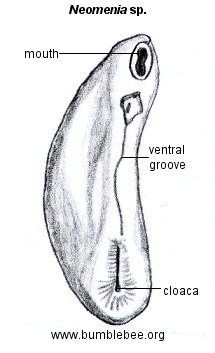
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***Acanthochitona***

**Genus : *Neomenia***

The body worm shaped bears numerous calcareous scales embedded in cuticle , there is no true shell

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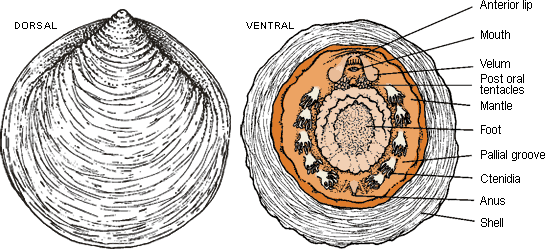
***Neomenia***

**Genus : *Neopilina***

-Single round shell and a creeping foot

-Five pairs of gills in ventral surface

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***Neopilina***

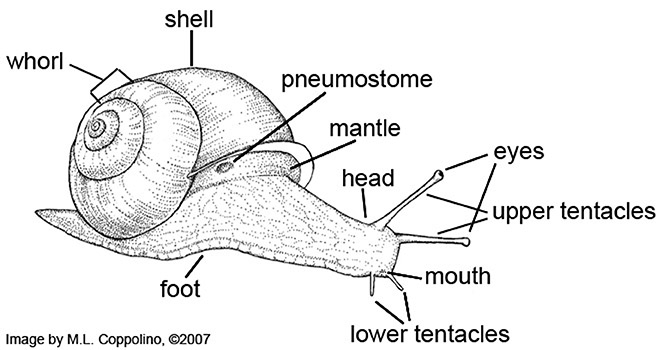
**Genus : *Helix***

-Univalve coiled shell

-Head with two pairs of tenticales , the upper and larger pair contain the eyes and the lower pair used for feeling

-Mouth have scraping tongue called radula that is composed of many fine chitinous teeth for rasping and catting food

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***Helix***

**Genus : *Anodonta***

-Shell with two valves held together dorsally by a hinge ligament

-Umbo is the oldest part of the shell and growth occurs in concentric lines around it

-Posterior margen forming siphons for respiration

- No head and radula

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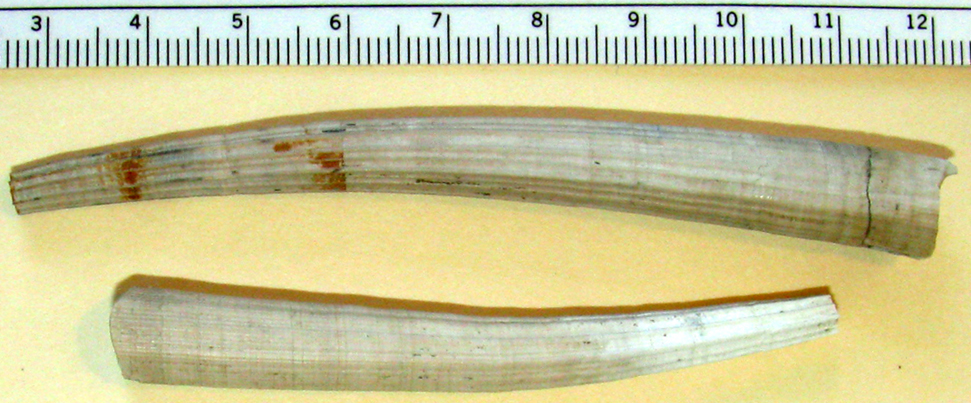
***Anodonta***

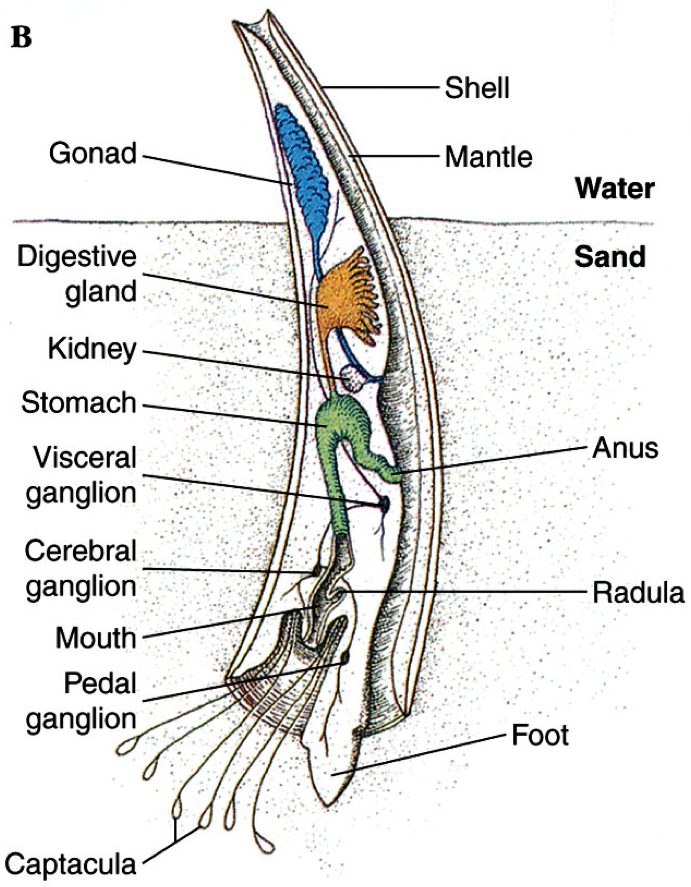
**Genus *:Dentalium***

- Conical and curved white shell like elephant’s tusk . they are hollow and open at both ends

-The foot extends from the larger end of the shell used to burrow through the mud or sand, while leaving the small end exposed to the water above

-Long tentacles extending from the head near the mouth for feeding

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***Dentalium***

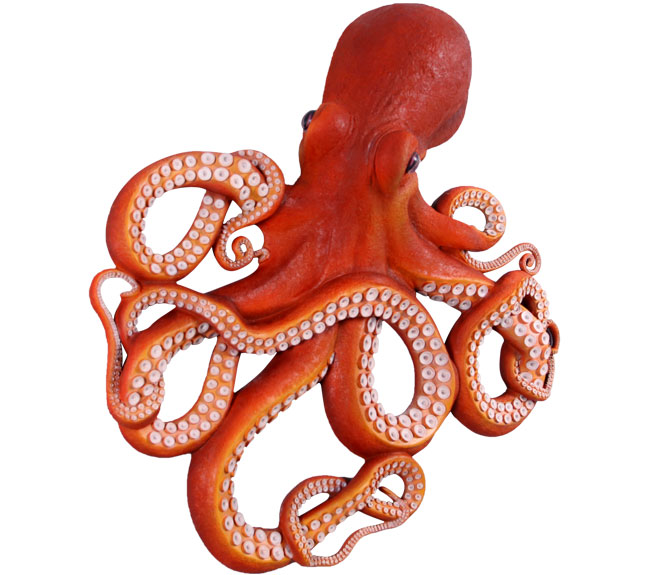
**Genus : *octopus***

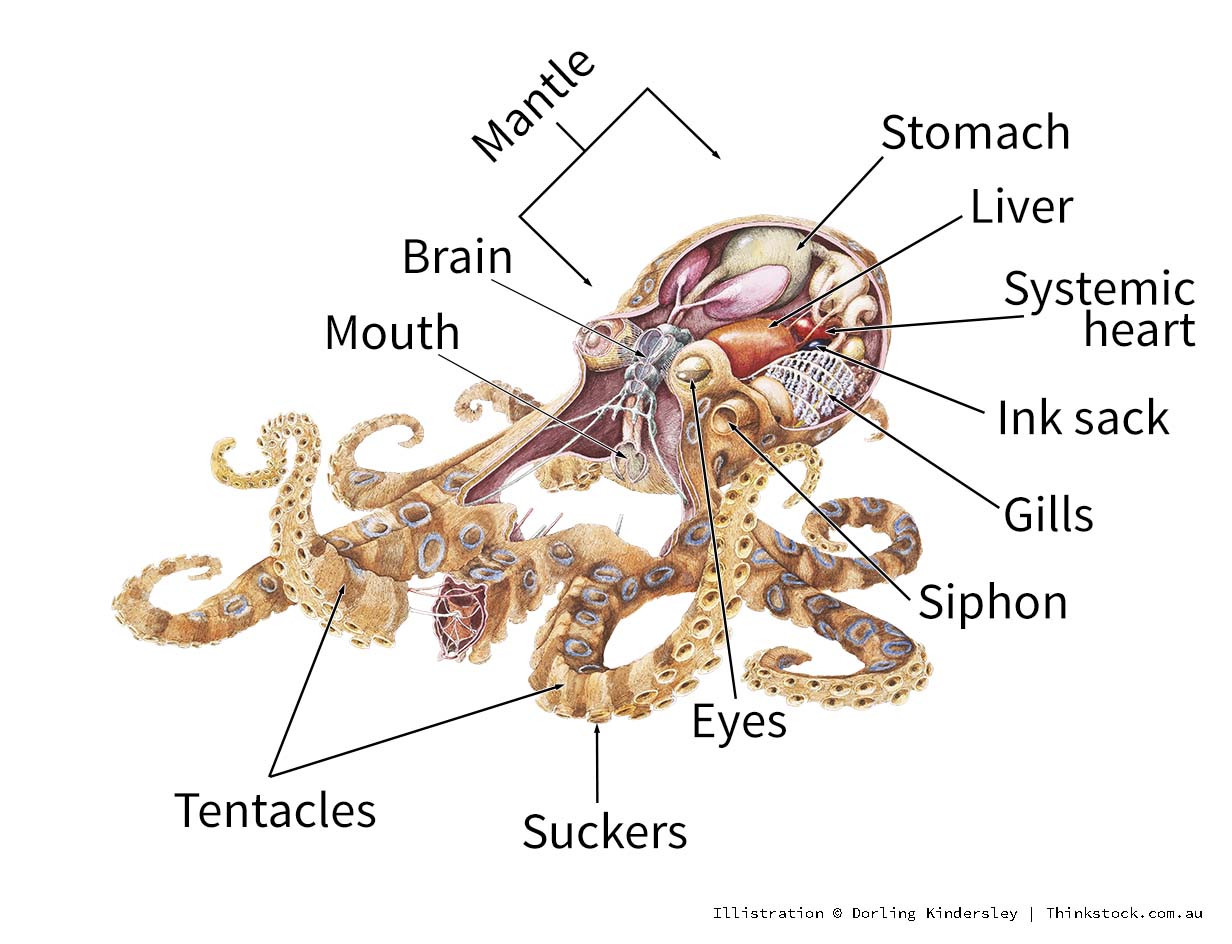
- Globe shaped head with two eyes and four pairs of arms

-Has a sharp peak with its mouth at the center point of the arms

-Two rows of suckers line there tentacles

-No internal or external skeleton

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***octopus***