

Mollusks

Domain: Eukaryote

Kingdom: Animalia

Phylum: Mollusca

Class: Gastropoda

ID: snails, slugs, whelks, limpets

Class: Bivalvia

ID: clams, mussels, oysters, scallops

Class: Polyplacophora

ID: chiton

Class: Scaphopoda

ID: tooth or tusk shell

Class: Cephalopoda

ID: squids, cuttlefish, nautilus, octopus

Important:

Habitat – aquatic

Coelom - Eucoelomate

Symmetry / Body Plan - Bilaterally symmetrical

Cellular Organization - Exhibit cephalization

Reproduction - Dioecious

Digestion – complete digestive system

Circulation – Open circulatory system
- Specialized structure - Siphon

Nervous system – lack of cephalization

Key characteristics / special adaptations / unique feature

- Protostomes
- Stationary filter feeders (Bivalves).
- Labial palps
- 4 major morphological features:
 - o a Valve (shell) for protection.
 - o A mantle
 - o A visceral mass (houses internal organs)
 - o A foot (for locomotion), sometimes modified into tentacles.