

# Late Invertebrates

Phylum:

Choose from  
Names list

Least Evolved



Most Evolved

General  
Characteristics:

Choose from list

Classes:

Examples:


# Late Invertebrates

Return this page if it is re-useable Thank-You

## General Characteristics

Head, Thorax/Cephalothorax, Abdomen

Mantle

Penta-Radial Symmetry

Foot

Shell

Gills

Visceral mass

Exoskeleton

Endoskeleton

Dorsal Blood Vessel

Ventral Nerve cord

Water Vascular System

Jointed Appendages

Well developed sense organs

Molting

Open Circulation

Closed Circulation

Regeneration

Spiny Skin

Trochophore Larvae

Bilaterally Symmetrical Larvae

Soft-bodies

Tube-Feet

Nephridia

Antennae

Mouth Parts

Ampullae

Skin Gills

## Classes and Examples

Bilvalvia

Sea Cucumber

Cephalopoda

Arthropoda

Gastropoda

Butterfly

Insecta

Crustacea

Slug

Snail

Starfish

Mollusca

Sea urchin

Squid

Octopus

Crab

Crayfish

Shrimp

Echinodermata

Clam

# Classes of Molluscs

- \_\_\_\_\_ 1. They feed using a radula
- \_\_\_\_\_ 2. Sometimes they produce pearls.
- \_\_\_\_\_ 3. Nautilus
- \_\_\_\_\_ 4. Highly intelligent, advanced nervous system and sensory organs.
- \_\_\_\_\_ 5. Two shells.
- \_\_\_\_\_ 6. Stomach-foot
- \_\_\_\_\_ 7. Head-foot
- \_\_\_\_\_ 8. Tentacles to capture prey
- \_\_\_\_\_ 9. Small internal shell, or no shell at all
- \_\_\_\_\_ 10. Broad, muscular foot for burrowing in sand
- \_\_\_\_\_ 11. Most are sessile, but some can move rapidly by flapping their shells.
- \_\_\_\_\_ 12. Closed circulation
- \_\_\_\_\_ & 13. Open Circulation
- \_\_\_\_\_
- \_\_\_\_\_ 14. Filter feeders
- \_\_\_\_\_ 15. Feed on algae or lichens on rocks, or chew through leaves
- \_\_\_\_\_ 16. Beaks
- \_\_\_\_\_ & 17. Gills
- \_\_\_\_\_
- \_\_\_\_\_ 18. Mantle cavity may be modified as a "lung"

# Classes of Arthropods

- \_\_\_\_\_ 1. 6 legs
- \_\_\_\_\_ 2. 8 legs
- \_\_\_\_\_ 3. 10 legs
- \_\_\_\_\_ 4. Wings
- \_\_\_\_\_ 5. Exoskeleton of chiton
- \_\_\_\_\_ 6. Exoskeleton of calcium carbonate
- \_\_\_\_\_ 7. Head and Thorax
- \_\_\_\_\_ & 8. Cephalothorax
- \_\_\_\_\_
- \_\_\_\_\_ 9. Appendages on Abdomen
- \_\_\_\_\_ 10. Uropods & Telson
- \_\_\_\_\_ 11. Spiracles and Trachea
- \_\_\_\_\_ 12. Gills
- \_\_\_\_\_ 13. Book Lungs
- \_\_\_\_\_ 14. Some undergo complete metamorphosis
- \_\_\_\_\_ 15. use swimmerettes for sperm transfer
- \_\_\_\_\_ 16. Green Glands
- \_\_\_\_\_ 17. Malpighian Tubules
- \_\_\_\_\_ 18. Chelipeds