

Arthropods

Domain – Eukaryote

Kingdom – Animalia

Phylum – Arthropoda

Subphylum – Chelicerata

Class – Merostomata

ID – horseshoe crab

Class – Arachnida

ID – spiders, ticks, mites, & scorpions

Subphylum – Myriapoda

Class – Diploda

ID – millipedes

Class – Chilopoda

ID – centipedes

Subphylum – Crustacea

Class – Malacostraca

ID – **crayfish**, crabs, lobsters, & shrimp

Subphylum – Hexapoda

Class – Insecta

ID – Bees, flies, butterflies, **grasshoppers**, etc..

Important:

Phylum name means – “jointed appendages”

Habitat – Terrestrial & Aquatic

Coelom - Eucoelomate

Symmetry / Body Plan – Bilateral symmetry

Cellular Organization – tissue & organ level organization

- Triploblastic

Reproduction - Dioecious

Digestion – complete digestive system

Circulation – closed circulatory system

Nervous system – exhibit cephalization

- 2 eye types (simple & compound)

Key characteristics / special adaptations / unique feature

- Segmented bodies & jointed appendages
- Exoskeleton
- Molting
- Grasshopper
 - o 3 body regions
 - o 3 pairs of legs on thorax
 - o 1 pair of antennae
 - o 2 eye types
- Crayfish
 - o 2 body regions (Cephalothorax)
 - o Biramous appendages (4 pairs of walking legs)
 - o Cheliped, pereopods, pleopods, uropods, telson
 - o 2 pairs of antennae