

Segmented Worms

Domain – Eukaryote

Kingdom – Animalia

Phylum – Annelida

Class – Polychaeta

ID – sandworms, clamworms, tubeworms, fanworms, scaleworms, lugworms.

Class – Oligochaeta

Genus – Lumbricus

Species – terrestris

ID – “**earthworm**” or “a night crawler”

Class – Hirudinea

ID – “leach”

Important:

Phylum name means – segmented worms

Habitat - found in marine, terrestrial, and fresh water habitats.

Coelom - Eucoelmate

Symmetry / Body Plan

- Exhibit metamerism

Cellular Organization - organ level of cellular complexity.

Reproduction – Most are monecious (but do not self-fertilize)

Digestion - Complete digestive system: mouth → anus

- Unique digestive structures include;
 - o pharynx
 - o Crop
 - o Gizzard
 - o Typhlosole

Circulation - Closed circulatory system

Nervous system – A single ventral nerve cord leading to a small ganglionated area (brain).

Key characteristics / special adaptations / unique feature

- Septa
- Setae
- Hydrostatic skeleton
- Clitellum
- Prostomium
- Nephridia
- Leaches are ectoparasites