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 monoeccious (but do not self-fertilize)

**Digestion** - Complete digestive system: mouth → anus

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