

- A clitellum is a band of thickened, specialized segments.
 - Secrete a mucus ring into which egg and sperm are released
- After eggs are fertilized in the ring, the ring slips off the worm's body and forms a protective cocoon.
 - Young worms hatch weeks later



GROUPS OF ANNELIDS

- Annelids are divided into three classes
 - Oligochaetes
 - Leeches
 - Polychaetes



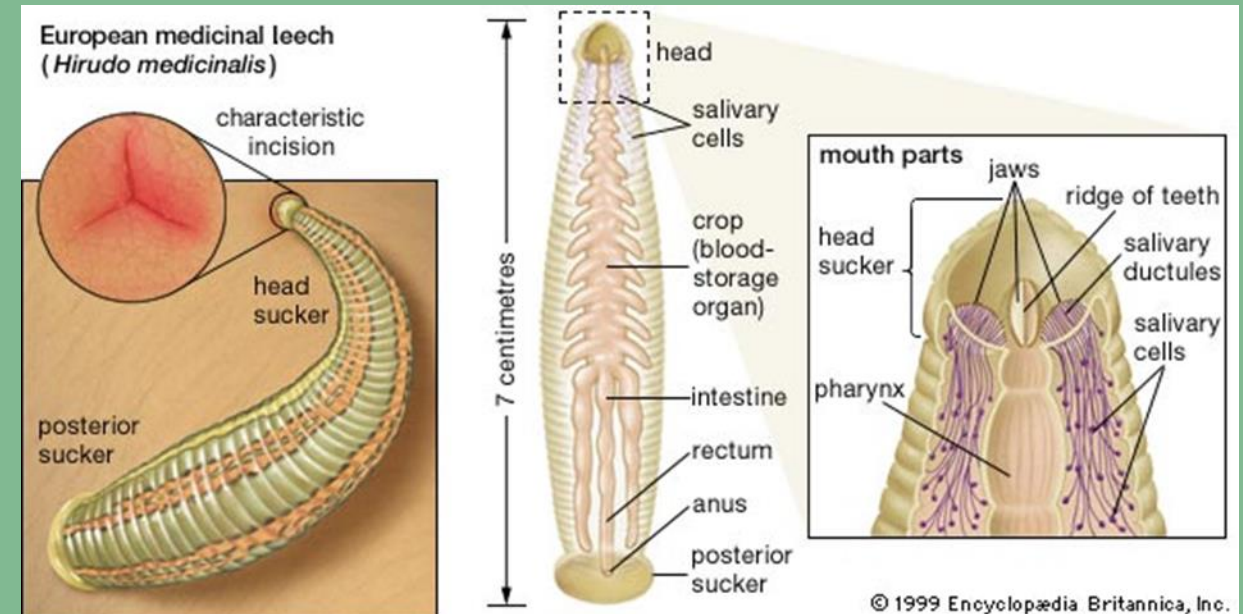
CLASS OLIGOCHAETA

- Earthworms and their relatives
- Typically have streamlined bodies
- Relatively few setae compared to polychaetes
- Most oligochaetes live in soil or fresh water.
- Giant Earthworm



CLASS HIRUDINEA

- The class Hirudinea contains the leeches.
- Leeches are typically external parasites that suck the blood and body fluids of their host
- Powerful suckers at each end
- Uses pharynx to suck blood
- Some release anesthesia so prey do not know they have been bit
- Also release substances to prevent blood clotting



USE OF LEECHES IN MEDICINE



CLASS POLYCHAETA “MANY BRISTLES”

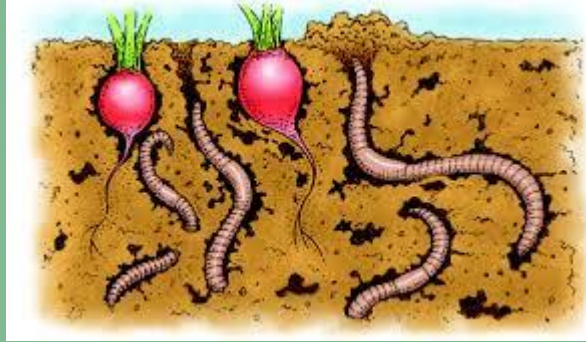
- Marine annelids that have paired, paddlelike appendages(parapodia) tipped with setae.
- The setae are brush like structures on the worm.
- Found most commonly in crevices in coral reefs, sand, mud and rocks
- Feather duster worm
- More



ECOLOGY OF ANNELIDS

- Earthworms

- “Intestines of the Earth”
- Burrow through the soil
 - Aerate it, mixing it to depths of 2 m
- Create tunnels
 - Provide passageway for plant roots, water and beneficial bacteria
 - Pull plant material down in the soil



- Earthworm castings (feces)

- As earthworms pass soil through gut they grind it, digest it and mix it with bacteria
- Bring nutrients from deeper to shallow soil
 - Nitrogen, phosphorous, potassium, micronutrients and beneficial bacteria