

Helminth Comparison

	Platyhelminthes	Nemertea	Nematoda	Annelida	Pogonophora (annelid)
Characters					
Common Name	flatworms	ribbon worms	roundworms	segmented worms	bearded worms
Symmetry	bilateral	bilateral	bilateral	bilateral	bilateral
Germ Layers	triploblastic	triploblastic	triploblastic	triploblastic	triploblastic
Coelom	acoelom	acoelom	pseudocoelom	eucoelom (true)	eucoelom
Digestive	incomplete (lack anus)	complete	complete	complete	no gut
Circulatory	primitive	true	none	true & advanced	true & advanced
Excretory	protonephridia (flame)	protonephridia (flame)	renette cells??	metanephridia	???
Musculature	circular/longitudinal	circular/longitudinal	only longitudinal	circular/longitudinal	circular/longitudinal
Reproduction	mostly monoecious/dioecious	dioecious	mostly dioecious	dioecious/monoecious	Dioecious
Larvae	miracidium/redia/cercaria	pilidium	direct to juveniles	trochophore	trochophore
Classes	TTC (Tiny Tim's Christmas) Turbellaria Trematoda (flukes) Cestoda (tapeworms)	Not important	Not important But need to know general names like trichinella pinworms hookworms Intestinal worms heart worms eye worms filarial worms (elephantiasis) dracunculids guinea worm (→ caduceus: symbol of medicine)	POH (Point of Hallucination) Polychaeta Oligochaeta Hirudinea (leeches)	Not important