

PSEUDOCOELOMATES

Several Phyla
(2 studied in lab)

Phylum Nematoda (ROUNDworms)

Longitudinal
muscles ONLY
No Cilia!
THICK Cuticle
Rennette Glands
Amoeboid sperm

Phylum Rotifera (rotifers)

Corona (cirri & cilia)
Mastax/Trophi
Parthenogenesis (mictic, amictic cycles)
Protonephridia

Eutely

Phylum Nemertina (ribbon worms)

Phylum Platyhelminthes (FLATworms) 3 classes

Pseudocoelomate

COMPLETE DIGESTIVE SYSTEM (mouth->gut->anus)

Acoelomate

Bilateral Symmetry

At least ORGAN Level of Organization

At least 3 germ tissue layers (TRIPLOblastic endo-, meso-, ectoderm)

Kingdom Animalia

Hypothetical common ancestor

FIGURES TO KNOW:

Nematoda:

Fig. 5.1 – Be familiar with life cycle

Fig. 5.2 – A - All except ventral, dorsal and lateral lines, B- all except ventral line;
C - Intestine, seminal vesicle, ejaculatory duct & spicule

Fig. 5.3 – Draw c.s., label and know drawings from lab.

Fig. 5.4 – Label and know all

Rotifera:

Fig. 5.5 - Corona (cirri + cilia), mastax, trophi, foot (=spurs), pedal glands