INVERTEBRATE CLADOGRAM

PHYLYM MOLLUSCA

Has a muscular foot or sucker-bearing tentacles.



- Coelom

PHYLYM ARTHROPODA

For example, Procambarus allení (blue cray físh).



PHYLYM CNIDARIA

Usually has two stages of life - polyp and medusa. Neither protostome nor deuterostome as it has a two-way digestive system.

For example, Chrysaora Melanaster (jellyfish),



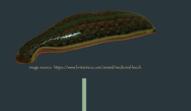
PHYLYM NEMATODA

For example, Necator Americanus (hookworm).

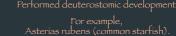


PHYLYM ANNELIDA

For example, Hirudo medicinalis (European medicinal leech)



Segmentation



PHYLYM ECHINODERMATA

Uses the water vascular system to move, eat, excrete, and breath.



PHYLYM PORIFERA

Neither protostome nor deuterostome as it has a two-way digestive system. For example, Xestospongia muta (giant barrel sponge).



PHYLYM PLATYEHELMINTHES

Appeared ~540-500 million years ago. Shows cephalization Neither protostome nor deuterostome, as it has a two-way digestive system.

For example, orchis sinensis (liver fluke)



Deuterostome

-Jointed limbs

Protostome

Three-tissue-layer, Bilateral symmetry

Tissue layers

Multicellular