Compare and Contrast



http://www.caudata.org/daphnia/



Many animals are important to each other. Give an example.









Sexual Reproductionalmost all animals <u>reproduce</u> sexually

Absence of <u>cell</u> wall- of the multicellular organisms only animals <u>lack</u> a cell wall

Choose an animal and give evidence for each of the following. Heterotrophic Mobility Multicellular Diploidy Lacking Cell Walls Sexual Reproduction



Ecto	Meso Muscles	Endo Lungs
Skin Eyes	Glands	Stomach
Nervous System	Skeleton Veins	



















Acelomates- animals with no body cavity



The space between the gut and the wall is completely filled with tissue.

Pseudocoelomates- have a body cavity located between the mesoderm and the endoderm.



Coelomates- a body cavity located entirely within the mesoderm.



The gut and other organs are suspended in the coelom.

Advanced organism show segmentation.

Where is the segmentation in humans?



PhylumEvolutionary MilstoneChordataNotocordEchinodermataDeuterostomesArthropodaJointed AppendagesAnnelidaSegmentationMolluscaCoelomNematodaPseudocoelomPlatyhelminthes Bilateral SymmetryCnidariaTissuesPoriferaMulticellularity