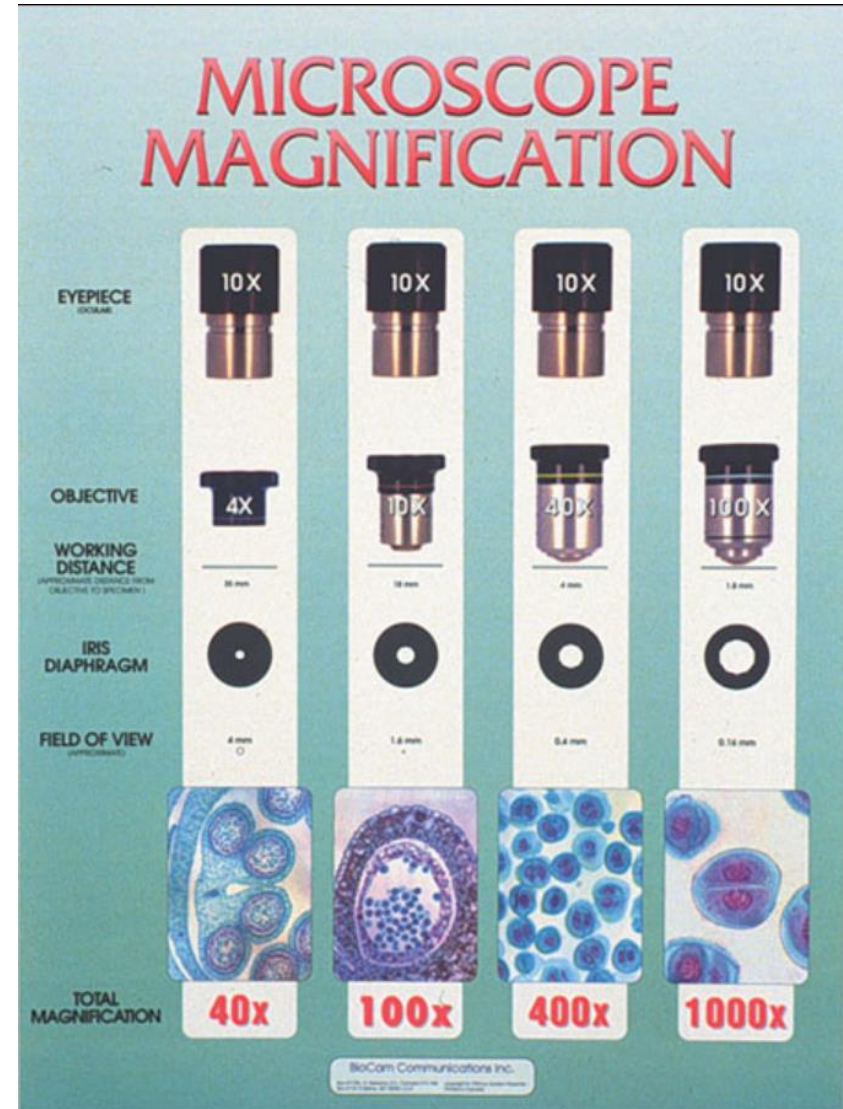
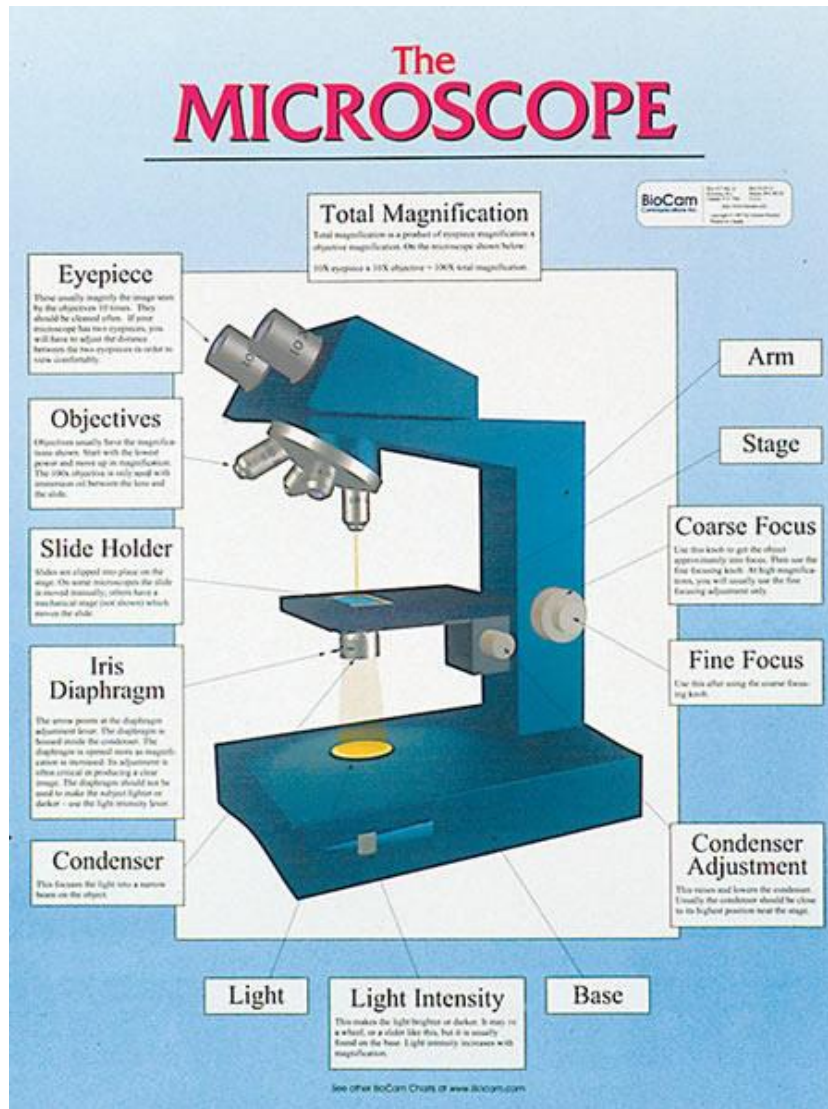
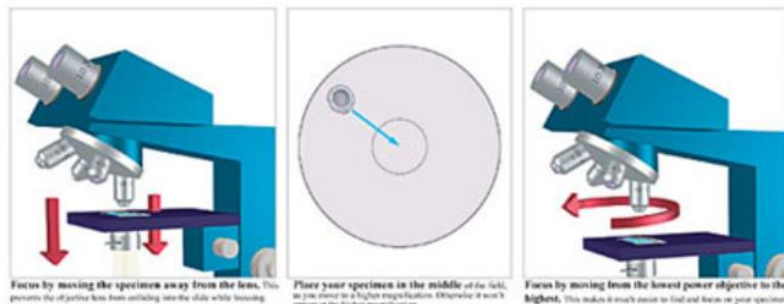
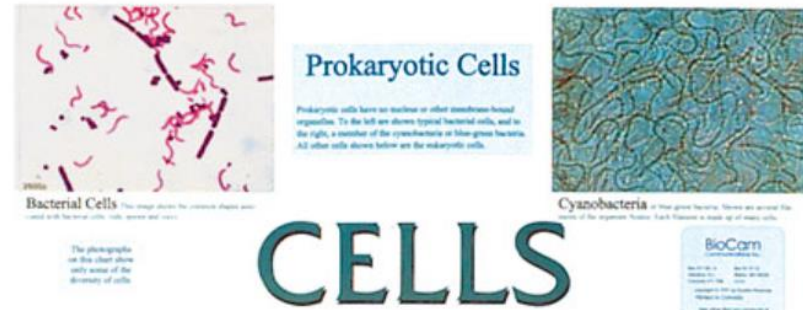
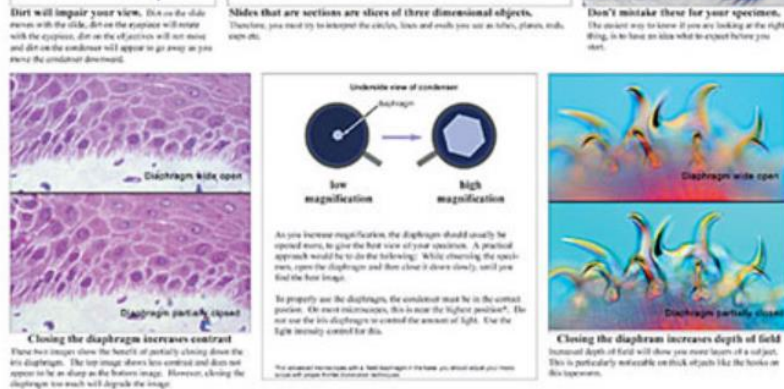


MCB3020L Posters - all posters courtesy of BioCam Charts. They may be accessed at:
http://www.biocam.com/Biocam_wall_charts_gallery.html

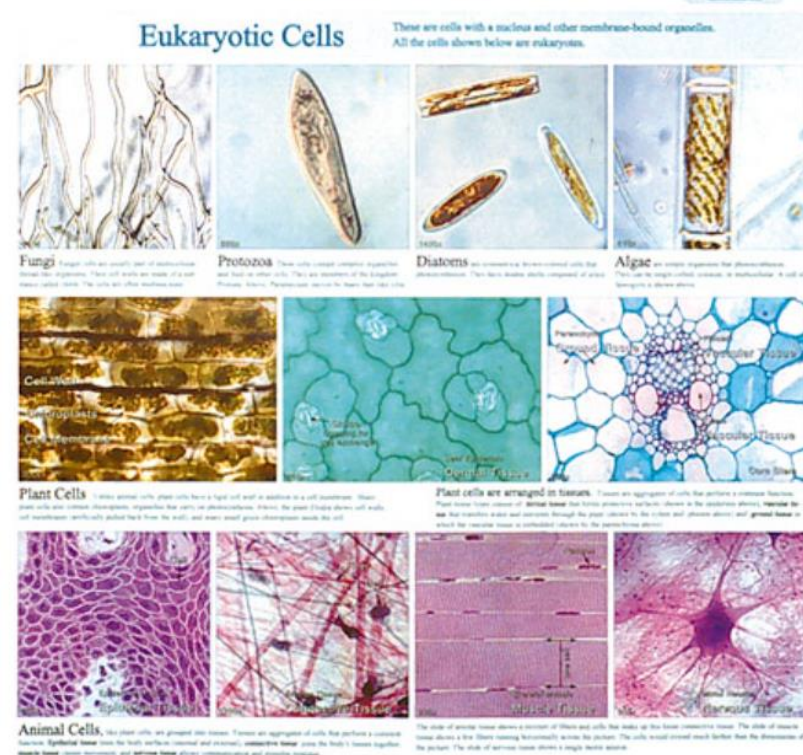


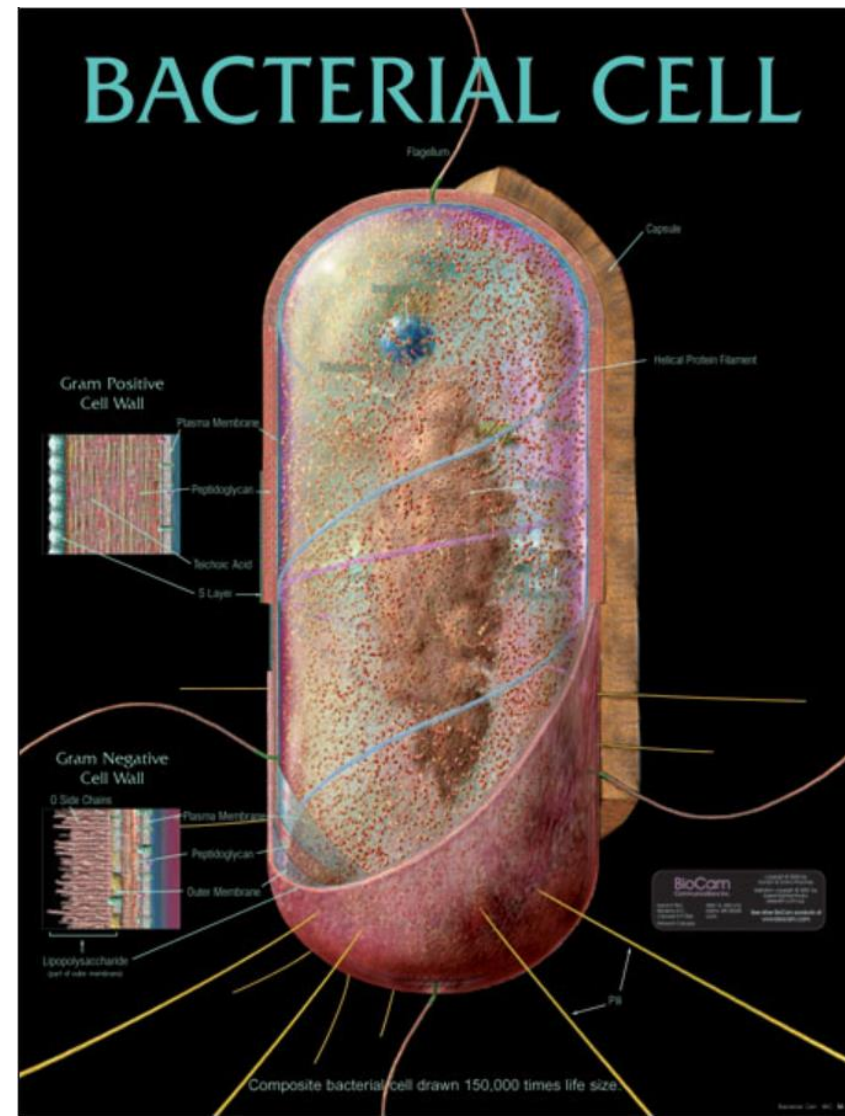
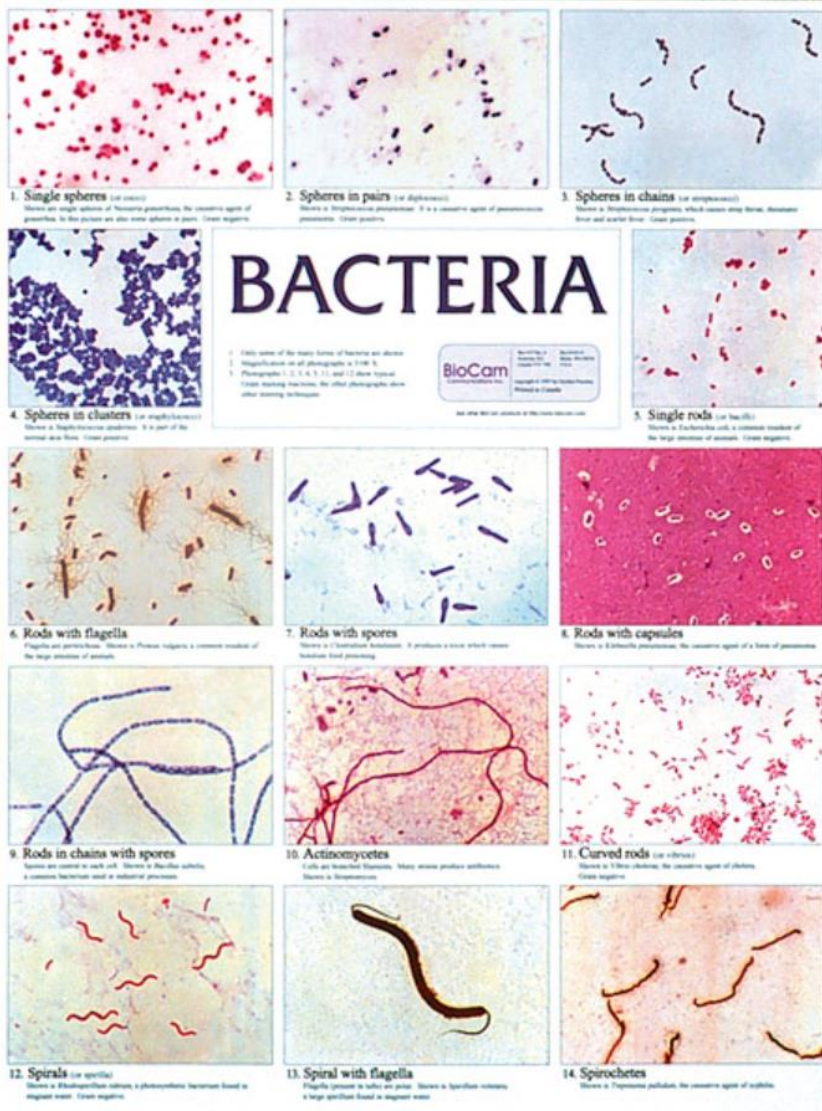


MICROSCOPE FOCUSING TIPS

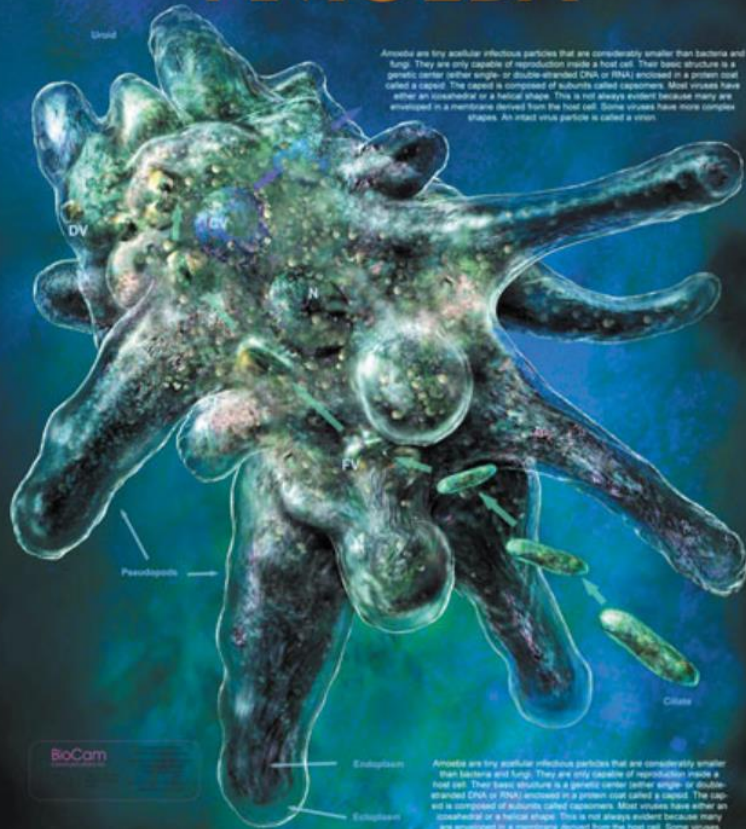


CELLS





AMOEBA



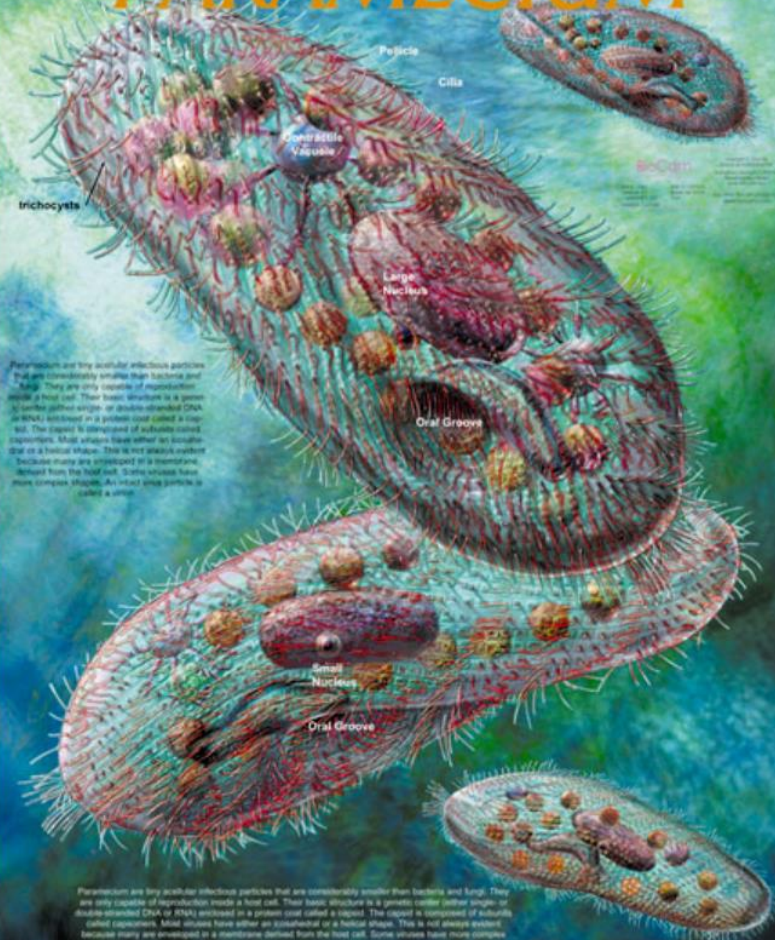
Amoeba are tiny acellular infectious particles that are considerably smaller than bacteria and fungi. They are only capable of reproduction inside a host cell. Their basic structure is a genetic center (either single- or double-stranded DNA or RNA) enclosed in a protein coat called a capsid. The capsid is composed of subunits called capsomeres. Most viruses have either an icosahedral or a helical shape. This is not always evident because many are enveloped in a membrane derived from the host cell. Some viruses have more complex shapes. An intact virus particle is called a virion.

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Micro 2. 100. 18

PARAMECIUM

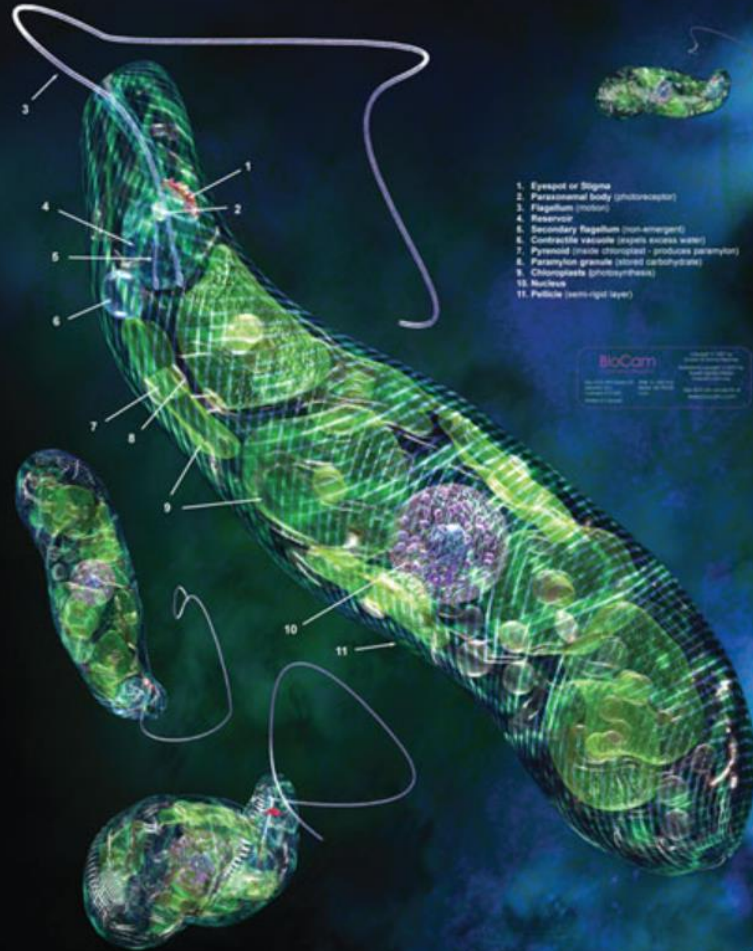


Paramecium are tiny acellular infectious particles that are considerably smaller than bacteria and fungi. They are only capable of reproduction inside a host cell. Their basic structure is a genetic center (either single- or double-stranded DNA or RNA) enclosed in a protein coat called a capsid. The capsid is composed of subunits called capsomeres. Most viruses have either an icosahedral or a helical shape. This is not always evident because many are enveloped in a membrane derived from the host cell. Some viruses have more complex shapes. An intact virus particle is called a virion.

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Micro 2. 100. 18

EUGLENA



Model Organism



This organism, *Caenorhabditis elegans*. Much of what we know about genetics and development is based on this as a model organism.

Marine Nematodes



Cathy, I don't want to say that marine nematodes all look like this, but that there is some diversity found there if I think more than in aquatic systems. (Please say the name of the more diverse members of this group. Modified 12/10/2002)

PHYLUM

NEMATODA



In addition to general things I want to say here that most nematodes aren't parasites. I just have them on the poster because they are all that was available. In addition to general things I want to say here that most nematodes aren't parasites. I just have them on the poster because they are all that was available.



Ascaris

Thought maybe a shark here about disease of ascaris here. Adult male and female ascaris are shown (size).

Ascaris Section



Trichinosis

Trichinosis is the disease caused by the parasite Trichinella spiralis. It is caused by eating undercooked pork. (May 2002)



Dog Heartworm



Pinworm

Pinworms (Oxyuris vermicularis) make you sick. (May 2004)



Hookworm

Hookworms like this species make you sick. (May 2004) (sorry this is a dog hookworm - I'll fix the caption to be on humans tonight)

Class Trematoda

The arms of these ectodermis are slender and sharply cut off from the central disc. Buckled stars spread their highly branched arms to catch larger zooplankton. Buckled stars have under the movement of their arms and thus are sometimes called siphon stars.



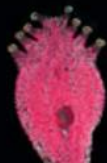
Sheep Liver Fluke x3



Broad Fluke
(*Ichthyosoma cornutum*) x50



Chinese Liver Fluke x15



Fish Parasite x10

Class Monogenea

The arms of these ectodermis are slender and sharply cut off from the central disc. Buckled stars spread their highly branched arms to catch larger zooplankton. Buckled stars have under the movement of their arms and thus are sometimes called siphon stars.

PHYLUM

The Phylum
Platyhelminthes

PLATYHELMINTHES

BioCam

The BioCam
Digital Camera

Echinoderms are open-skinned, entirely marine creatures. They are radially symmetrical, and have a thin skin covering an endoskeleton of calcareous ossicles. They have a unique water vascular system. This is a series of canals that provide the hydraulic system for echinoderms to extend their tube feet for functions such as moving, feeding, and gas exchange.

Class Cestoidea

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Tapeworm - *Spargania* x2



Tapeworm section



Tapeworm section



Tapeworm section

Class Turbellaria

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Marine Turbellarian x11



Aquatic Turbellarian
(*Planaria*) x14



Marine Turbellarian x2

Platyhelminthes 101