

Flatworms have a middle tissue layer called mesoderm and they also have Organs.

**Phylum  
Platyhelminthes**



<http://www.ucmp.berkeley.edu/platyhelminthes/platyhelminthes.html>

Oct 17 - 10:30 PM

**The flatworm  
is flat so things  
diffuse  
through the  
solid body.**

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Class Turbellaria  
Free-living marine flatworms

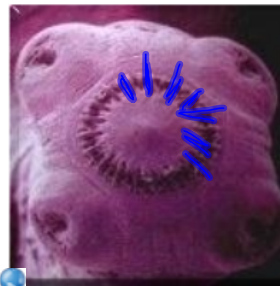
↳ salt H<sub>2</sub>O



<http://www.ucmp.berkeley.edu/platyhelminthes/platyhelminthes.html>

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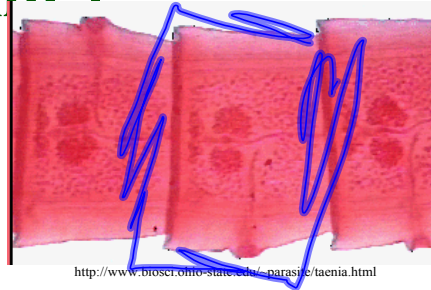
Class  
Cestoda  
ex tapeworms  
They attach  
themselves to  
their host's  
intestines.



<http://www.parasitecleanse.com/GALLERY.HTM>

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**Tapeworms grow by adding**  
proglottids (rectangular body  
sections that are a complete  
reproductive unit )



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**The sections  
are added and  
the tapeworm  
can get to be**  
40 feet long.

**Beef tapeworm  
lives in the muscle  
tissue of infected**  
Cattle where  
they are enclosed  
in Cysts .

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Class Trematoda

Largest class called flukes.

They have a tegument (thick protective covering) so they are not digested by their hosts.

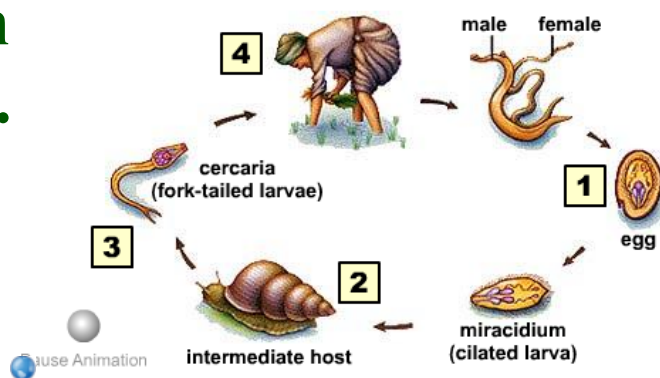


<http://www.ucmp.berkeley.edu/platyhelminthes/platyhelminthes.html>

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Schistosomiasis-  
bore through a  
host's skin in  
infected water.

Flukes usually  
have 2  
hosts.



[http://trc.ucdavis.edu/biosci10v/bis10v/media/ch16/blood\\_fluke.html](http://trc.ucdavis.edu/biosci10v/bis10v/media/ch16/blood_fluke.html)

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**Phylum  
Nematoda**

**Roundworms**

They have a  
one-way  
digestive  
system.

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About 50  
roundworms  
species are  
plant or  
animal  
parasites.

Ascaris- eggs  
are carried  
through  
human  
waste to the  
soil. They are  
then ingested.

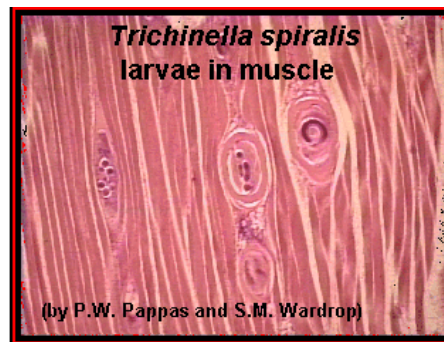
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The worms  
can enter the  
blood stream  
and be carried  
to the lungs  
or other  
places.



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Trichinosis- is a  
disease from  
eating  
pork that is not  
fully cooked.



<http://www.biosci.ohio-state.edu/~parasite/trichinella.html>

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