Even More Invertebrates

Worms

Worms

Platyhelminthes Flatworms
-Turbellarians
-Flukes
-Tapeworms
Nematodes (roundworms)
Nemertea (ribbon worms)
Annelida (polychaetes) Segmented worms
Misc. (some don't quite fit in a category)

Worms

-bilateral symmetry
-most are benthic
-some are parasitic
-found in all oceans
-absorb oxygen through skin
-hermaphroditic

Platyhelminthes
Flatworms

-most simple organisms with bilateral symmetry; Flat
-no anus, takes in food and excretes through oral opening
-unsegmented
-have neural ganglion (very simple nervous system)
-light sensitive Ocelli (eyes)
-Sexual or asexual reproduction
-move by muscle contracting and cilia
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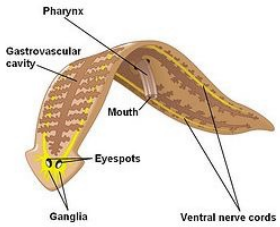
Turbellarians

Free living flatworms
20,000 species
some live on surfaces of other invertebrates
colorful, small (polyclads)



Flukes

-Parasitic
-adults live in vertebrates larvae may live in snails, fish or other vertebrates, live in livers

Tapeworms

parasitic
usually found in intestines of vertebrates by suckers or hooks
absorb nutrients
can be up to 50ft long.

Nemerteans

Ribbon worms

-brightly colored
-can be nocturnal
-have a Proboscis
-can be up to 100ft long.

ribbon worm video

ribbon worms

Nematode

-found in sediment and can be parasitic
-very small

Lots of scientific research is performe with nematodes, ver simple body organization

Annelida
Segmented worms

Christmas tree worms

Annelida

-segmented into parts
-some have gills
-closed circulatory system for gas exchange
-some live in tubes

clam worm

christmas tree worm

you tube worms

How do Tube worms eat?
What are the frilly fringe ends of some sea worms?
what are they used for?

(n.d.). Retrieved February 05, 2016, from http://www.bbc.co.uk/nature/life/Polychaete

Hawaiian Worms. (n.d.). Retrieved February 05, 2016, from http://ngm.nationalgeographic.com/2007/02/hawaiian-worms/holland-tex

Hot Dogs Give You Worms – Truth about Parasites [Disturbing Images]. (2013). Retrieved February 05, 2016, from http://guardianlv.com/2013/10/hot-dogs-give-you-worms-truth-about-parasites-disturbing-images/

Flatworm. (n.d.). Retrieved February 05, 2016, from http://www.fcps.edu/islandcreekes/ecology/flatworm.htm

Ryan Photographic - Platyhelminthes- Flatworms, flukes and tapeworms. (n.d.). Retrieved February 05, 2016, from http://www.ryanphotographic.com/platyhelminthes.htm