

Invertebrate Book Instructions: Follow Carefully!!!!!!

Making the Book:

1. You need 3 pieces of white computer paper.
2. Cut each sheet in half hamburger, so you end up with 6 half sheets.
3. Staple 5 of the sheets together, so you have a book! Staple as close to the left edge as possible.
4. Decorate the Front Cover. It should include: "Kingdom Animalia" "Invertebrates" "Your Name" and some pictures and color!

What to put inside the book:

1. Each page will be about one phylum.
2. Each page will look like the following:
3. DO NOT write "phylum" and "common name," that is just where each term goes
4. DO WRITE all the other headings:

Germ Layers → Symm. → Ceph. → Coelom → E.D. → Rep. H: A: S:	Phylum Common Name <u>Humans/Ecology</u>	Drawing
<u>Examples</u>		

5. There are eight pages inside the book. I will go through page 1 in detail and then pages 2-8, you will have to repeat.

Page 1: pg 664-667

-Phylum: Porifera Common Name: "Sponges"

-The left side column: look in the book (pg 748, helpful)

-**Rep. (Reproduction)** H: (you will write Y or N if the organism is a hermaphrodite) A/S: (you will write Y or N if the organism reproduces asexually or sexually)

-**Examples:** give examples of different organisms in that phyla

-**Drawing:** draw an example of an organism in that phyla

-**Humans/Ecology:** Write a couple ways that organisms in this phylum help or hurt humans/ecology

-**Bullets:** Here are the notes you must have for this phylum

***Larva can swim, sessile as an adult**

***Filter feeders**

***Rely on movement of water through their bodies to perform body functions**

Page 2: 669-675

-Phylum: Cnidaria Common Name: "The Cnidarians"

***Soft bodied**

***Have stinging cells: nematocytes**

***Two life forms, polyp and medusa**

Page 3: 683-688

-Phylum: Platyhelminthes Common Name: "Flatworms"

***Flat, thin bodies**

***Some are parasites, some are free living**

***Live in freshwater or saltwater**

Page 4: pg 689-693

-Phylum: Nematoda Common Name: "Roundworms"

***Most are parasitic, many affect humans**

***Round body, no segments**

***Have mouth and anus**

Page 5: pg 694-699

-Phylum: Annelida Common Name: "Segmented worms"

***Have segments**

***Have closed circulation**

***True Coelom**

Page 6: 701-708

-Phylum: Mollusca Common Name: "Mollusks"

***All have soft bodies**

***Usually have an internal or external shell**

***Body plan: foot, mantle, shell, visceral mass**

***Open circulatory system**

Page 7: 715-733

-Phylum: Arthropoda Common Name: "Arthropods" = Jointed Foot

***Have segmented body (2 or 3)**

***Jointed appendages (legs, antennae)**

***Exoskeleton made of chitin**

***Must go through molting**

Page 8: 734-738

-Phylum: Echinodermata Common Name: Echinoderms

***Spiny skin**

***Endoskeleton**

***Suction cups (tube feet)**

***Internal tubes, water vascular system**