**General Biology II Lab**

**Exercise 7 – The Acoelomate Invertebrates Name:**

**Before you leave the lab:**

1. What are acoelomates?
2. Did you look at the examples of the sponges on the lab bench? \_\_\_\_\_\_\_
3. What type of symmetry to sponges have?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. What Phylum are sponges in? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. Did you look at the examples of cnidarians on the lab bench?\_\_\_\_\_\_
6. What are the classes of Cnidarians?
7. What type of symmetry to cnidarians have? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
8. Look at the *Hydra* model and identify
   * + Mouth
     + gastrovascular cavity
     + tentacle
     + basal disk
     + mesoglea
     + cnidocyte
9. http://image1.masterfile.com/em_w/04/35/33/400-04353365w.jpgLook at the *Hydra* under the microscope. Slide # \_\_\_\_
10. http://image1.masterfile.com/em_w/04/35/33/400-04353365w.jpgLook at Obelia under the microscope, notice the medusas that are emerging. Slide # \_\_\_\_
11. What are Ctenophores?
12. Did you look at the examples of flatworms on the lab bench? \_\_\_\_\_\_
13. What are the classes in Phylum Platyhelminthes?
14. Look at the planaria model and identify:
    * eye spot
    * pharynx
    * ovary
    * testis
    * flame cell (excretory)
    * brain
15. http://image1.masterfile.com/em_w/04/35/33/400-04353365w.jpglook at cross-section of planaria under the microscope. Slide # \_\_\_\_\_