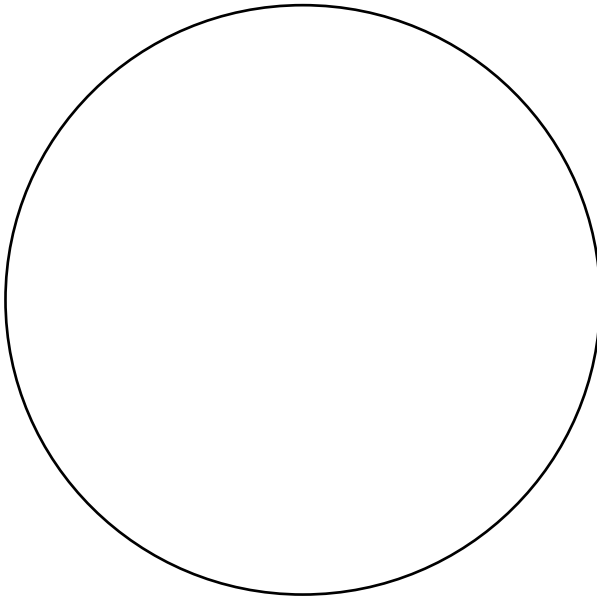


Invertebrate I Worksheet. Due at the end of your lab.

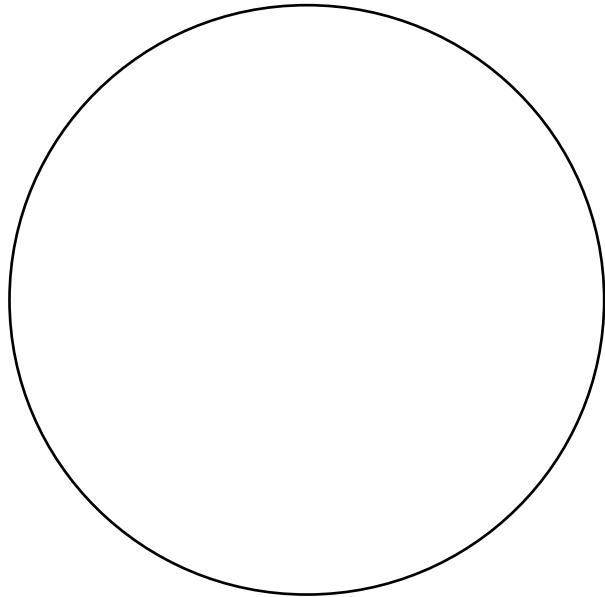
Name _____ GSI & Sect # _____ Station # _____

The required drawings and tables are a guideline to help you in your studies. In addition you should make further drawings if you find them helpful. **Use the review sheet! Fill in the invertebrate 1 charts.**

1) In the left circle below make a drawing of the microscope slide of the Hydra, include labels: mesoglea, epidermis, gastrodermis, tentacles, gastrovascular cavity, basal disc.



Hydra



Dugesia

2) Using the circle above and to the right, make a drawing of the cross section of Dugesia. Include labels: longitudinal & circular muscles, pharynx, gastrovascular cavity. Be sure you also examine the whole mount.

3) **Did you check your review sheet? Have you filled in the chart?**

Worksheet continued on the other side.

4) Include a drawing of your dissected earthworm. Label internal & external structures (refer to page A41 for a review of structures).

Label external structures: mouth, anus, clitellum

Label internal structures: suprapharyngeal ganglion, pharynx, esophagus, crop, gizzard, intestine, chloragogen tissue, pseudohearts, metanephridia, septum, esophageal glands (calciferous glands), seminal vesicles, spermatheca (seminal receptacles), ventral nerve cord, ventral blood vessel.

5) Make a quick sketch of the clam. Label: anterior and posterior adductor muscles, ctenidia, foot, labial palp, siphon (incurrent and excurrent), mantle, and viscera.

6) Look in the marine tank. It will be station #30 on lab exam 2. You need to identify all of the organisms that belong to the following phyla. List common name, class, subphylum, and phylum as appropriate.

Porifera:

Platyhelminthes:

Cnidaria:

Annelida:

Mollusca: