Sponge
Observe your sponge sample under the dissecting scope. Use the concave slide and follow the instructions given in the lab dissection guide (page 4). Return the sponge to the small jar when you are done. Answer the questions below.

Name the phylum where sponges are classified: ________________________________

What type of tissue layer and symmetry does a sponge have? __________________________
______________________________________________________________________________

In the boxes below, make a simple sketch for whole and dissected sponge. Label 4 parts of the sponge on your diagram and write a brief function for the part.

- Osculum: _________________________________________________________________

- Spicules (list 2 functions): _________________________________________________

- Spongocoel: ______________________________________________________________

- Choanocyte: ______________________________________________________________

What process absorbs food and oxygen from the water and puts it into the cells? __________
______________________________________________________________________________

How does a sponge reproduce? _________________________________________________
Hydra
Observe your hydra sample under the dissecting scope. Use the concave slide and follow the instructions given in the lab dissection guide (page 6). Return the hydra to the small jar when you are done. Answer the questions below.

Name the phylum where hydra is classified: ____________________________

Name the two basic body plans seen in cnidarians and provide a brief description of each.

1. ____________________________ 2. ____________________________

Which body plan does the hydra possess? ____________________________

In the box below, make a simple sketch for your hydra. Label the diagram parts below and write a brief function of the part in the hydra.

- Mouth: ____________________________

- Tentacles: ____________________________

Where is the gastrodermis? What is the purpose of the gastrodermis? ____________________________

______________________________________________________________________________

What do cnidocytes contain? What is the purpose of this cell? ____________________________

______________________________________________________________________________

How does a hydra reproduce? ____________________________