

NAME _____

ZOOLOGY LAB: Coelenterates - Hydra

1. Name the phylum and class in which the hydra is classified _____.

2. Instructions: Obtain a prepared slide of a hydra. View under low power. Draw the hydra. You may switch to high power to fully observe details.

Label the following:

Tentacles, Hypostome, Nematocyst, Mouth, Foot
Gastrovascular cavity, Endoderm
Epidermis

2 sketches

whole mount Hydra = Low Power

Nematocyst = High Power

3. Observe the tentacles;

- a.) How many tentacles does your specimen show? _____
- b.) Do all specimens have same number of tentacles? _____
- c.) Do any of the tentacles possess Nematocysts? _____
- d.) What is the function of nematocysts?

4. Observe your specimen for the presences of any reproductive structures

- a.) Does your specimen have buds? _____
- b.) Explain functional process of budding.

c. How many distinct layers of cells do you observe?

~~* Obtain a prepared slide of a simple sponge (Graeffea).
OMIT Draw and label.~~