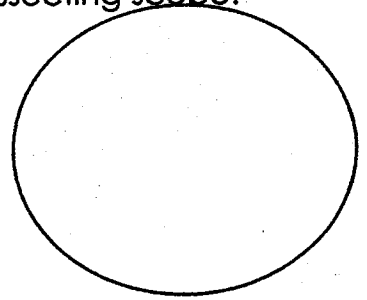




Porifera/ Cnidaria Walk-Around Lab

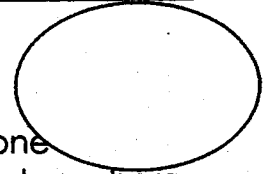
PHYLUM PORIFERA:

1) Look at & touch the various sponge samples, placing them under the dissecting scope. Describe what you see through the microscope & draw it:



2) Microscope 2: This is a sponge under a compound light microscope. What sponge protein do you see in the microscope? _____
(Hint: What is left when a sponge dies?)

3) Microscope 3 :Look carefully under the microscope to see some delicate glass-like Structures of a sponge. The structures are _____ & made of _____. Draw what you see.



4) Between microscopes 3 & 4, there are a couple of sponge samples. The one Out of the jar is called a _____ and the large openings at the top where Water flows out are called _____. Because sponges filter things out of the water, they are considered to be _____ feeders.

5) Microscope 4:Look at the resin block with sponges under the dissecting scope. What do you think is the main difference between what you see, when you look at a sponge & what you will see when you look at coral? _____

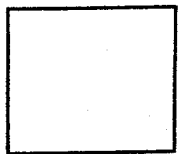
6) Microscope 6,7,8,9,10 are set up to do the activity on the other piece of paper: (looking at coral)

7) At the back counter, become familiar with the various type of Cnidarians.

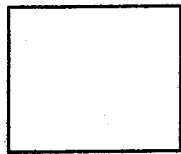
Three characteristics of Class Anthozoa:

- a) _____ b) _____ c) _____

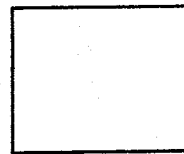
8) Draw the following Anthozoans



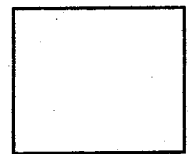
Hard coral



Soft Coral



Anemone



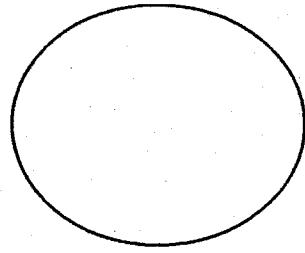
Sea Pen

Anthozoans are characterized by having no _____.

Anthozoans are sometimes referred to as _____.

Class Scyphozoa:

Give three characteristics of Class Scyphozoa:



- a) _____ b) _____ c) _____

Draw a scyphozoan in the circle above:

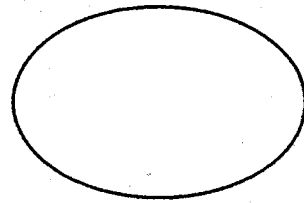
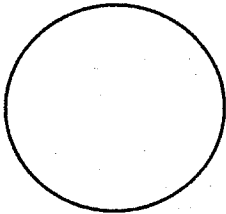
Class Hydrozoa:

Give three characteristics of class Hydrozoa:

- a) _____ b) _____ c) _____

There are two hydrozoans you must know: They each have an information sheet. They are:

Draw each:



Characteristics: _____

Characteristics: _____

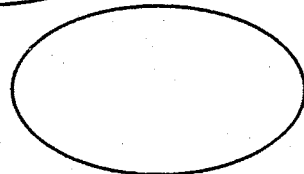
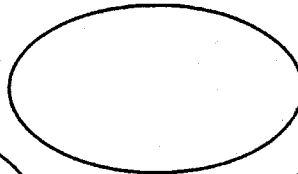
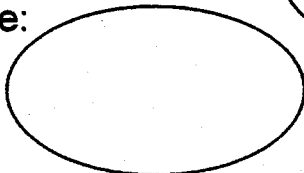
What happened to Kenneth G. Gerken according to the article?

_____ . Where? _____

Microscope 11:

Check out the Cnidarians in Resin.

Draw the stinging cells that you see:



Microscope 12: Draw Aurelia

Microscope 13: Draw the Hydra with the budding baby.

Coral get _____ & _____ from zooxanthellae while Zooxanthellae get _____ & _____.

Describe what is happening in coral bleaching: _____

Why can clown fish live in anemones?
