

STATION #1

Commercial vs. Natural Sponge

- Form a hypothesis for which sponge will hold more water.
- Develop a procedure for testing your hypothesis
- Compare your results to your hypothesis
- What is the significance of your results?

STATION #2

Demoslide Observation

- View and sketch the specimen in the tube
- What is it?
- How is the specimen relevant to the study of sponges?

STATION #3

Observation of Leucon Sponge

- Gently shake the sponge.
- Observe what happens.
- Form a theory to explain your observations.

STATION #4

Observation of Small Grantia Sponge

- Observe the sponge through a stereomicroscope.
- Sketch and label the body including the pores and osculum.
- Describe the function of each structure identified.
- Describe the type of body form displayed by this specimen.
- Explain the significance of the body form.

STATION #5

Observation of a Natural Sponge

- Observe the sponge.
- Sketch and label the body including the pores and osculum.
- Describe the function of each structure identified.
- Describe the type of body form displayed by this specimen.
- Explain the significance of the body form.

STATION #6

Microscope Slide of Grantia Sponge

- Observe the sponge.
- Sketch and label what you see (be sure to indicate the location of choanocytes, ameobocytes, apopyles, spongocoel, and osculum)
- Describe the function of each structure identified.