

Sponge Lab: Porifera

Obtain 2 prepared slides of *Grantia*. One slide should be labeled "spicules"

Using the slide labeled "Spicules", complete the following activities:

1. Moving from low to high power, locate and identify spicules, then under high power, sketch at least 3 different examples of spicules.

2. Describe the composition of spicules.

3. Explain the function of spicules.

Using the other *Grantia* slide, complete the following:

1. Moving from low to high power, locate and identify, then under medium power, sketch the radial canals.

2. The radial canals are lined with what specialized cells? What is their function? Identify on your sketch where one would find these specialized cells, then sketch what these cells look like.

3. Working with the specialized cells identified in question #2 is another type of specialized cell called _____. What is their function? Identify on your sketch where one would find these specialized cells.