

4. What material(s) gives a sponge its support and structure?

5. Match the terms on the left with the definitions below.

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|------------------------------|--|
| ___ osculum | a. water moves into the central cavity through these small openings |
| ___ spicules | b. spike-shaped structures that make up a simple skeleton |
| ___ pores | c. large opening at the top of the sponge where water exits |
| ___ choanocyte (collar cell) | d. specialized cells that move around within the walls of the sponge, making spicules and digesting and transporting food. |
| ___ amoebocyte (archaeocyte) | e. cells that use flagella to move water through the sponge to trap food. |

6. Describe and draw how a sponge feeds.

7. What triggers a sponge to produce gemmules?

8. Draw a sponge and label all the structures.