Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

PORIFERA

1. What does the word “Porifera” mean?
2. What is the common name for poriferans?
3. How do poriferans compare in complexity to other animals?
4. Label the sponge below: ostia, osculum, spongocoel, collar cells, amebocytes, spicules, epidermis

 

1. What is meant by sponges being sessile?
2. Why do sponges circulate water through their bodies?
3. What is meant by regeneration?
4. Name two other methods of asexual reproduction in sponges.
5. Explain how sponges reproduce sexually.
6. Match the following sponge structures:

\_\_\_\_\_ incurrent pores A. amebocytes

\_\_\_\_\_ excurrent pores B. collar cells

\_\_\_\_\_ the outside covering cells C. epidermal cells

\_\_\_\_\_ the skeletal structures of a sponge D. osculum

\_\_\_\_\_ flagellated cells that create the current E. ostia

 of water, capture and digest food, and
 become sperm F. spicules

1. How are sponges classified into classes?
2. Name the four types of sponges