#### SECTION 33-1 REVIEW

## PORIFERA

VOCABULARY REVIEW Define the following terms.

- 1. choanocyte \_\_\_\_\_
- 2. osculum \_\_\_\_\_
- 3. spicule \_\_\_\_\_
- 4. amoebocyte \_\_\_\_\_

MULTIPLE CHOICE Write the correct letter in the blank.

- \_\_\_\_\_ 1. Invertebrates are animals that lack
  - a. true tissues. b. true organs.
- c. a skeleton.
- a backbone.

- Adult sponges are sessile, which means that they
  - a. have no gastrula stage.

- use a jellylike substance for body support.
- attach to a surface and do not move.
  - produce both eggs and sperm.
- Choanocytes perform all of the following functions except
  - a. pumping water into the interior of the sponge.
  - b. engulfing and digesting food that is filtered from the water.
  - c. passing nutrients to amebocytes.
  - d. distributing nutrients throughout the rest of the body.
- Sponges eliminate carbon dioxide and cellular wastes by
  - allowing them to diffuse into the water that passes through the sponge.
  - b. excreting them into the surrounding water through pores in the body wall.
  - c. transporting them to an excretory organ that empties into the osculum.
  - converting them into usable carbohydrates.
- After a sponge egg is fertilized, it develops into a(n)
  - external bud.
    gemmule.
- c. larva.

d. gastrula.

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**RC Schank** 

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