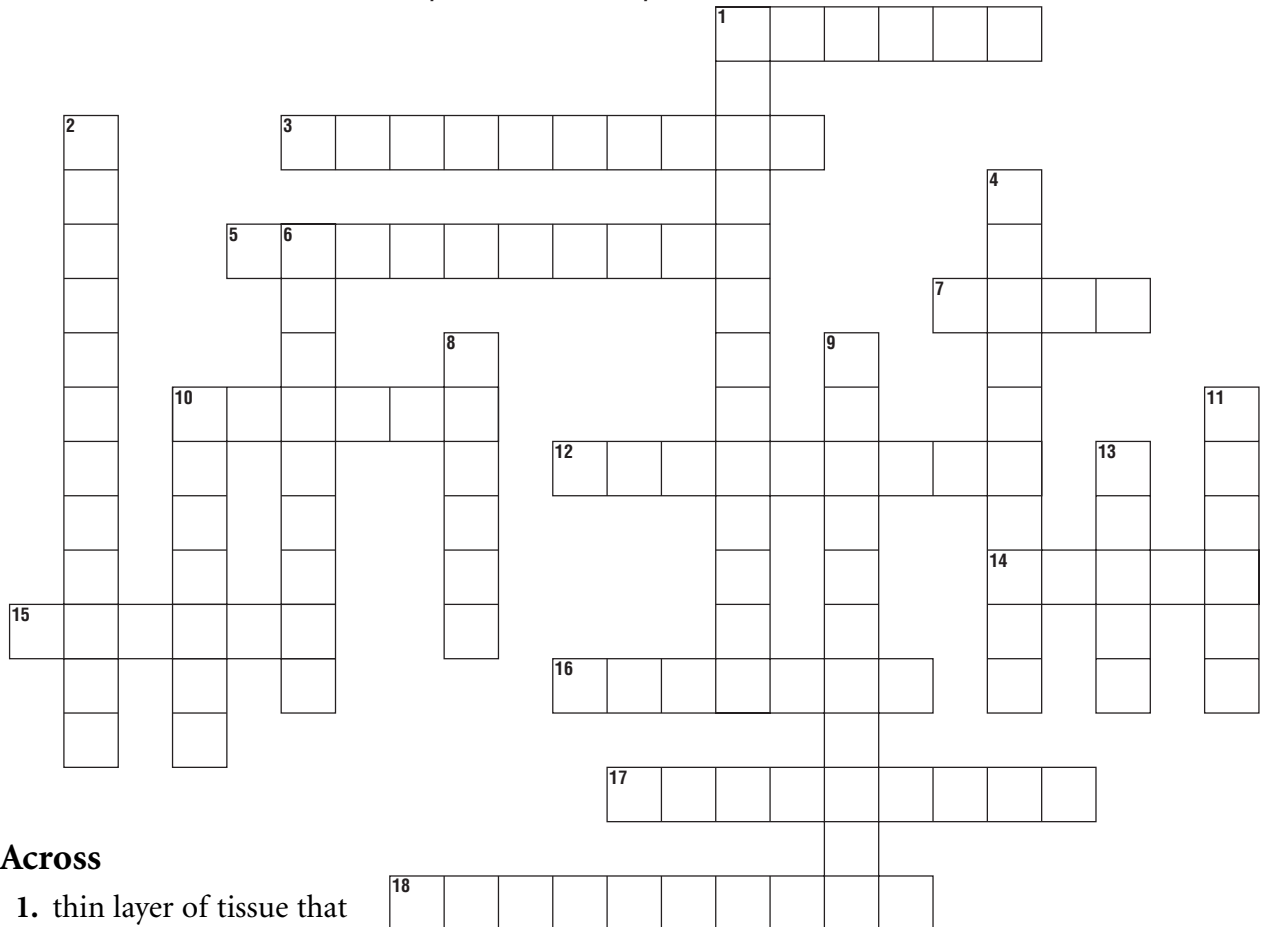


## Chapter Review

# Invertebrate Animals

### Part A. Vocabulary Review

**Directions:** Use the clues below to complete the crossword puzzle.



#### Across

1. thin layer of tissue that secretes a mollusk's shell
3. an animal with a backbone
5. spiny-skinned invertebrate that lives on the ocean bottom
7. circulatory system in which blood is not in vessels but surrounds organs
10. bell-shaped body plan, like that of a jellyfish
12. joint-footed animal
14. organs that exchange oxygen and carbon dioxide with water
15. tongue-like organ in mollusks that works like a file
16. remaining attached to one place
17. type of symmetry in which body parts are mirror images of each other
18. describing an organism that does not depend on another for food or a place to live

#### Down

1. change in body form some animals go through as they mature
2. an animal without a backbone
4. structures, like legs or antennae, that grow out from a body
6. hollow-bodied animal that has stinging cells
8. type of symmetry in which body parts are arranged in a circle around a central point
9. protective outer covering on arthropods
10. soft-bodied invertebrate usually with a shell
11. circulatory system in which blood is contained in vessels
13. vase-shaped body plan, like that of a hydra

## Chapter Review (continued)

### Part B. Concept Review

**Directions:** *List five characteristics of animals.*

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_

**Directions:** *Use the following groups to classify the animals listed below.*

**annelid**  
**mollusk**

**arthropod**  
**flatworm**

**cnidarian**  
**echinoderm**

- |                        |                       |
|------------------------|-----------------------|
| _____ 6. sea anemone   | _____ 12. lobster     |
| _____ 7. planarian     | _____ 13. squid       |
| _____ 8. scorpion      | _____ 14. sea star    |
| _____ 9. earthworm     | _____ 15. jellyfish   |
| _____ 10. oyster       | _____ 16. grasshopper |
| _____ 11. sea cucumber | _____ 17. leech       |

**Directions:** *Answer the following questions on the lines provided.*

18. How is a crustacean different from a gastropod? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

19. Compare the body plan, symmetry, and feeding methods of cnidarians and roundworms.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_