

**SECTION 38-2 REVIEW**

# SUBPHYLUM CRUSTACEA

**VOCABULARY REVIEW** Distinguish between the terms in each of the following pairs of terms.

1. cirrus, cheliped \_\_\_\_\_  
\_\_\_\_\_
2. isopod, decapod \_\_\_\_\_  
\_\_\_\_\_
3. cephalothorax, thorax \_\_\_\_\_  
\_\_\_\_\_
4. telson, swimmeret \_\_\_\_\_  
\_\_\_\_\_

**MULTIPLE CHOICE** Write the correct letter in the blank.

- \_\_\_\_\_ 1. Crustaceans are the only arthropods that have
  - a. three pairs of legs.
  - b. two pairs of feeling appendages on their head.
  - c. chitin in their exoskeleton.
  - d. chelicerae.
  
- \_\_\_\_\_ 2. Freshwater crustaceans include
 

a. copepods and barnacles.	c. water fleas and crayfish.
b. barnacles and water fleas.	d. crayfish and sow bugs.
  
- \_\_\_\_\_ 3. A crayfish uses its swimmerets to
 

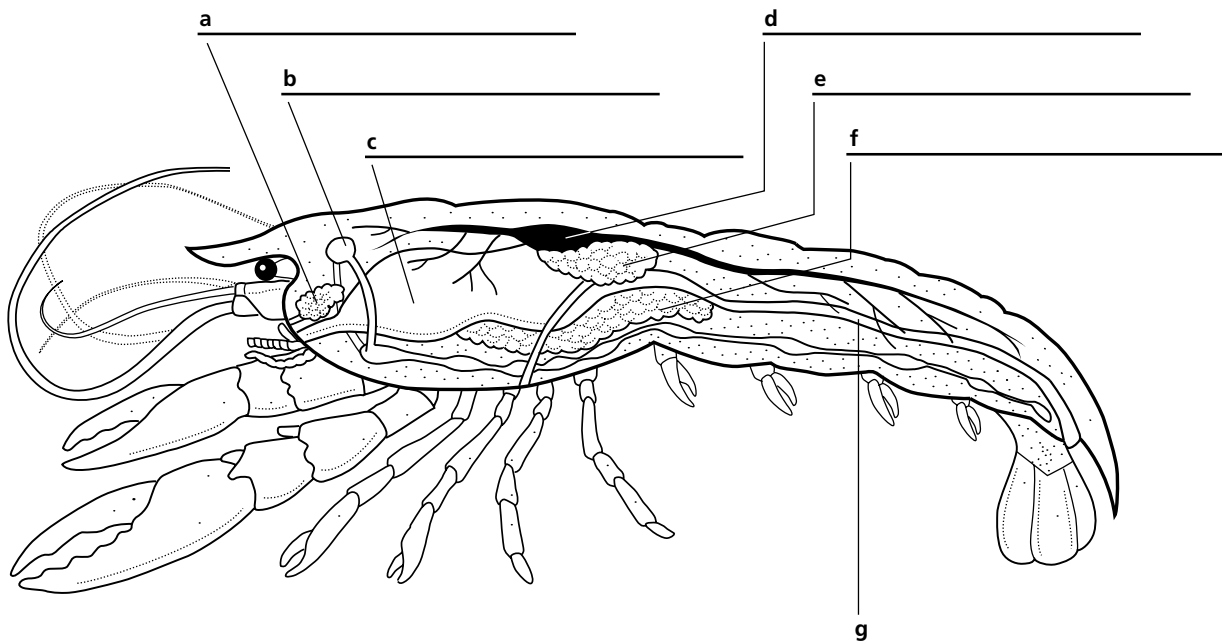
a. defend itself.	c. manipulate food.
b. propel itself during tailflips.	d. create water currents.
  
- \_\_\_\_\_ 4. A crayfish has teeth in its
 

a. stomach.	b. esophagus.	c. uropods.	d. green glands.
-------------	---------------	-------------	------------------
  
- \_\_\_\_\_ 5. The hairs that project from the exoskeleton of a crayfish are used to
  - a. create water currents over the surface of the crayfish.
  - b. sense vibrations and chemicals in the water.
  - c. retain body heat within the crayfish.
  - d. protect the crayfish from predators.

**SHORT ANSWER** Answer the questions in the space provided.

1. Describe the structural features of a nauplius. \_\_\_\_\_  
\_\_\_\_\_
2. Explain how a barnacle feeds. \_\_\_\_\_  
\_\_\_\_\_
3. List the functions of the mandibles, maxillae, and maxillipeds in a crayfish. \_\_\_\_\_  
\_\_\_\_\_
4. Describe the path of hemolymph flow through a crayfish, beginning with the heart. \_\_\_\_\_  
\_\_\_\_\_
5. **Critical Thinking** In a stagnant pool of water, a crayfish may spend much of its time lying with one side of its carapace near the surface of the water. In this position, it will move the walking legs on that side in a rhythmic back-and-forth motion. Explain the likely function of this behavior.  
\_\_\_\_\_  
\_\_\_\_\_

**STRUCTURES AND FUNCTIONS** Identify the structures labeled *a–g* in the diagram of the internal structure of a crayfish shown below.



HRW material copyrighted under notice appearing earlier in this work.