**Biology 0871 Worksheet on Mollusks**

**Chapter 27-4: p701-707**

1. What larval stage do mollusks share with annelids?

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. Identify the structures to their definition:

 a) Part of the mantle that is used for locomotion or attachment. \_\_\_\_\_\_\_\_

 b) Contains most of the internal organs (digestive, excretory, circulatory, nervous systems). \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 c) Aquatic mollusks breathe through \_\_\_\_\_\_\_\_\_\_\_\_\_ while land mollusks breathe through \_\_\_\_\_\_\_\_\_\_\_\_\_.

 d) A soft, outer layer of mollusk bodies which generally produces a protective shell. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 e) Snails and slugs feed using a flexible, tongue-shaped structure known as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, which possesses many teeth.

3. True or false?

 a) Mollusks have a complete digestive track. \_\_\_\_\_\_\_\_

 b) Mollusks have a closed circulatory system, except cephalopods which possess an opened circulatory system. \_\_\_\_\_\_\_\_

 c) All mollusks are hermaphrodite. \_\_\_\_\_\_\_\_

 d) All bivalves are sessile. \_\_\_\_\_\_\_\_

 e) At least one representative in each class of mollusks possesses a radula. \_\_\_\_\_\_\_\_

4. Give the class in which the following organisms is part of:

 a) oyster \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 b) squid \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 c) nudibranch \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 d) land slug \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 e) nautilus \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 f) limpet \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5. Identify the pointed structures on the clam and give their roles.



d

c

b

a

a) structure: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ role: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) structure: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ role: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c) structure: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ role: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

d) structure: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ role: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6. Which class includes the most intelligent invertebrates?

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

7. Give three uses of the siphon in cephalopods.

 1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_