**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 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

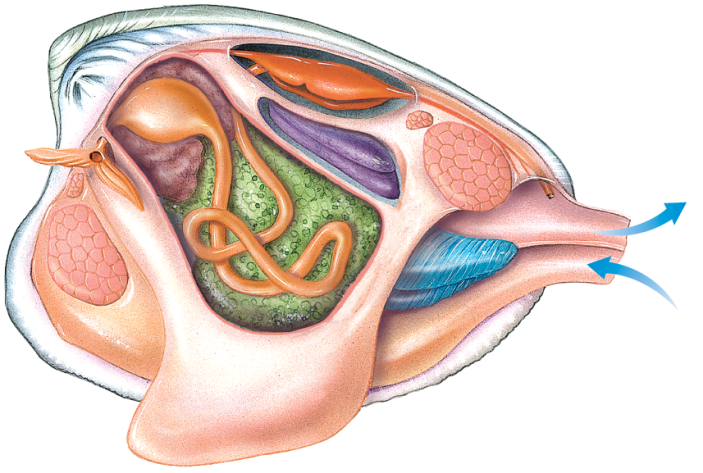
c) nudibranch \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_