

## CLAM AND SQUID QUESTIONS

1.
  - a. Compare feeding in bivalves to that of cephalopods. Briefly describe each. (2)
  - b. Which class is more advanced? (1)
  - c. Give a reason for your choice (1)
  
2.
  - a. How many openings to the digestive tract of molluscs? (1)
  - b. Consider the digestive system of molluscs and annelids. Are they similar or different? (1)
  - c. Give a reason for your choice. (2)
  
3.
  - a. Summarize the difference between open and closed circulatory systems. (2)
  - b. Which class has which type of circulation? (1)
  - c. Which class is more advanced? (1)
  - d. Give a reason for your choice. (1)
  
4.
  - a. What structures do bivalves and cephalopods use for respiration? (1)
  - b. How is this different from land gastropods such as slugs and snails? (2)
  
5. How do the respiratory system and circulatory system work together to deliver oxygen to the whole body of a mollusc? Hint: How do your respiratory and circulatory system work together?
  
6.
  - a. Even though many molluscs and annelids are hermaphrodites, they rarely fertilize their own eggs. Why is it advantageous to fertilize the eggs of another individual?
  - b. Do bivalves use external or internal fertilization? (1)
  - c. Give one advantage and one disadvantage for each method of fertilization. (2)
  - d. Do cephalopods use external or internal fertilization? (1)
  
7.
  - a. Compare the nervous system of the cephalopod to the bivalves. (2)
  - b. Which is more advanced?
  
8.
  - a. Compare locomotion in Cephalopods to that of Bivalves. (1)
  - b. Where would gastropods fit into your comparison? (1)
  
9. What are some advances of Phylum Mollusca over Phylum Annelida? (2)