

## Clam & Squid Pre-lab Worksheet

The following worksheet must be successfully completed before you start the actual dissection of the clam & Squid.

### Use the clam Dissection Handout to complete the following:

1. What phylum does the Clam belong? \_\_\_\_\_
2. What class does the clam belong? \_\_\_\_\_
3. Identify the following from Figure #1
  1. \_\_\_\_\_
  2. \_\_\_\_\_
  3. \_\_\_\_\_
  4. \_\_\_\_\_
  5. \_\_\_\_\_
  6. \_\_\_\_\_
  7. \_\_\_\_\_
  
4. Identify the following from Figure #4
  1. \_\_\_\_\_
  2. \_\_\_\_\_
  3. \_\_\_\_\_
  4. \_\_\_\_\_
  5. \_\_\_\_\_
  6. \_\_\_\_\_
  7. \_\_\_\_\_
  8. \_\_\_\_\_
  9. \_\_\_\_\_

### Beginning the Dissection

5. What tool do you use to cut the clam in half? \_\_\_\_\_
6. What muscles do you sever? \_\_\_\_\_
7. What valve do you remove? \_\_\_\_\_ Right or Left
8. What tool is used to remove the left mantle? \_\_\_\_\_
9. How many drawings are required? \_\_\_\_\_

Name: \_\_\_\_\_ Date: \_\_\_\_\_ 50 points possible

**Use “An Illustrated Mini Dissection Guide to the Squid”**

10. What is the Phylum of the Squid? \_\_\_\_\_
11. What is the class of the Squid? \_\_\_\_\_
12. Name 4 Characteristics shared by all Mollusks?
  - a. \_\_\_\_\_
  - b. \_\_\_\_\_
  - c. \_\_\_\_\_
  - d. \_\_\_\_\_
13. Name 5 advanced characteristics shared by Cephalopods
  - a. \_\_\_\_\_
  - b. \_\_\_\_\_
  - c. \_\_\_\_\_
  - d. \_\_\_\_\_
  - e. \_\_\_\_\_
14. When placing the squid on the dissecting tray, the funnel side is up. Which side is this?
  - a. Anterior                  Posterior                  Dorsal                  or                  Ventral
15. How many regions is the squid divided? \_\_\_\_\_
16. Which are longer arms or tentacles? \_\_\_\_\_
17. What organ/structure do you have to cut in order to view the internal structures?
  - a. \_\_\_\_\_
18. Circulatory System: open or closed?
19. Digestive System
  - a. How is food bitten off into pieces? \_\_\_\_\_
  - b. Are squid poisonous? \_\_\_\_\_
  - c. Are squid predators, prey or are they vegetarians?
20. Excretion: Do squid have kidneys? \_\_\_\_\_
21. Nervous System: Do squid have a simple or a highly developed nervous system?
22. Reproduction:
  - a. Are squid hermaphroditic or are they dioecious? \_\_\_\_\_
  - b. What does this term mean? \_\_\_\_\_