Mollusk Lab	Name:

This lab is to help familiarize you further with 5 of the 7 classes of Mollusca – Bivalvia, Gastropoda, Cephalopoda, Scaphopoda, and Polyplacophora. You will need your NOTES to help you identify the classes.

• DO NOT THROW, SHAKE, OR MISHANDLE ANY SPECIMENS. Many of these specimens are very fragile.

•	THEY WILL BREAK if you try to break them – SO DON'T!!!
Station	1: Examine the Abalone shell. Sketch it below.
Class	
Class_	<del></del>
1.	What is the purpose of the holes in the shell?
2.	The abalone's diet consists of algae and seaweed. But HOW do they feed?
3.	Why are some abalone populations declining so much?
Ctation	<b>12:</b> Examine the information provided about scaphopods. Sketch below.
Station	12. Examine the information provided about scaphopous. Sketch below.
Class _	
4.	What is the common name for the scaphopods?
5.	Water is drawn in through the small tip of the shell and flows into the mantle cavity. What is the purpose of this
_	action?
6.	Scaphopods have many skinny thread-like tentacles called
7.	What are the structures described in #6 used for?

<b>Station 5:</b> Examine the preserved scallop specimen. Sketch it be	ilow.
Class	
Class	
8. Because they have larger and more developed adductor	muscles than oysters, scallops are active swimmers and
the only bivalve.	
9. Scallops have eyes, but what exactly can they see with th	neir eyes?
10. What is one way the scallop can defend itself from preda	nors:
Station 4: Examine the models of the Chambered Nautilus. Ske	tch BOTH INSIDE and OUTSIDE of shell below.
Class	Sketch BOTH INSIDE and OUTSIDE of shell.
11. What makes the nautilus different from all other cephal	opods?
12. A newly hatched nautilus starts with about cham	
13. How does the nautilus dive?	
<b>Station 5:</b> Examine the preserved specimen of a Chiton. Sketch	it below.
Class	
14. About how many living species are in this class?	
15. What would these animals do if you managed to pry the	
16. Explain their "homing behavior".	

Station 6: Examine the preserved specimen of a squid. Sketch it below.		
Class		
17. The squid has 8 arms with suckers, and 2 longer tentacles with hook-like structures. What are the tentacles		
used for?		
18. What is a spermatophore?		
19. How big can the giant squid get?		
<b>Station 7:</b> Examine the shell specimens. Determine which specimen is the Lightning Whelk. Have both shells in front of		
you with the opening facing toward you. The Lightning Whelk is a "left handed" shell (it's opening is on the left side),		
whereas most other univalve shells are "right handed" (opening is on the right side). Sketch the Lightning Whelk.		
Class		
20. Where is the Lightning Whelk only found?		
21. How is the Lightning Whelk physically different from most other univalve shells?		
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22. What were the egg casings used for in the past?		