Biology I - diy NOTES Chpt 27.1 and 29.1 Mollusks and Echinoderms

Name	
Date _	Hour

Read chapter 27.1 and 29.1 in your text, pages 721-727 & 763-769. Fill in the blanks (or answer the questions) below using the information you have read.

<u>Mollusks</u>

- 1. What are the 3 most common classes of mollusks?
- 1.) _____ which means _____ mollusks. p 725-727 examples include: ______. 2.) ______ which are the _____ shelled mollusks, examples include: _____. 3.) _____ which means _____ mollusks. examples include: These mollusks have the most ______ structures and are thought to be the most _____ of all mollusks. Their foot has evolved into ______. 2. Type of habitats where mollusks live: p721 3. General Characteristics of mollusks: • some have _____ (such as clams) but others, such as slugs and squid, do not. all have ______ symmetry • all have a _____ (body cavity) all have a ______ tract with _____ openings
 - all have a muscular _____ and a _____.
 - 4. What is the purpose of a mantle?

Eating / Digestion:

- 5. Snails use a _____ to obtain food.
- 6. What is a radula?

7. Octopuses and squid are _____ and use their _____ to _____ the food they capture with their _____. 8. Other mollusks such as bivalves (clams) are _____. **Reproduction:** 9. Mollusks reproduce ______ and most have ______ sexes, although some are _____. Nervous System: 10. Mollusks have a ______ nervous system. However some of the more advanced mollusks have a _____. 11. Most mollusks have paired ______, however they vary in complexity. Circulatory System: 12. Mollusks have a ______ circulatory system that usually contains a _____. 13. Compare & contrast: Open Circulatory System and Closed Circulatory System.

Respiratory System:

14. Most mollusks k	nave respiratory struct	tures called	·
Gills	Gills the surface area through which		can
	In land mollusks, t	they have evolved into a p	rimitive
	_ •		
Frencham Custom			
Excretory System			
15. Mollusks are th	ekno	wn animals to have evolved	d
	_structures called		
16. Mollusks have a	ne or two	that collect	from
the	around the	Wastes a	re discharged
into the	a	nd expelled from the body	/ by the

<u>Movement:</u>

17. Describe how bivalves and cephalopods move.

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<u>Echinoderms</u>



4. Describe the skin all echinoderms.

- The endoskeleton of all echinoderms is made of ________.
 which is the same thing that makes up _______.
- 6. What are pedicellariae?
- 7. All echinoderms have ______ symmetry.

Vascular system:

8.	The	is a unique charac [.]	teristic of all		
	echinoderms that enables them to,,				
	, and				
9.	The	system is a	system that		
	operates by	·			
<u>Mo</u>	ovement:				
10	. Echinoderms move using	··································			
	Describe their structure.				
<u>Ex</u>	ccretory / Respiratory systems	:			
11.	Gases are exchanged and was	tes are eliminated by	through		
	the thin walls of the	· · ·			
Die	gestion:				
12	. All echinoderms have a		and		
	, but the	r method of obtaining food .			
	Some are	and eat other animals, some	2 are		
	and eat algo	e, and some are saprophytes	s because they eat		
	-	matter.			

Nervous System:

	13. Echinoderms have a	nervous system	n.		
	14. Echinoderms have NO	or	, but they do have a		
		that surrounds t	the		
	15 extend from	n the	down each ray.		
	16. Each nerve branches into a		_ that provides sensory		
	information to the animal.				
	17. Echinoderms have cells that c	letect	and ,		
	but most do not have				
	Evolutionary Relationships:				
	18. Because of their pattern of embryonic development, echinoderms are thou				
p769	to be the	relatives	s of the		
-	(which then evolved into vertebrates).				