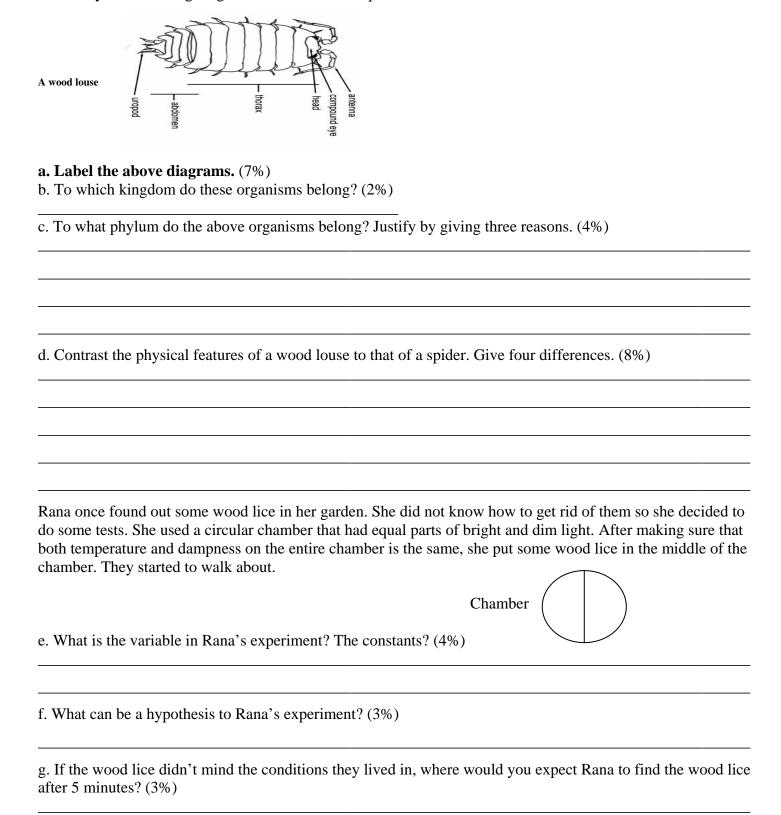
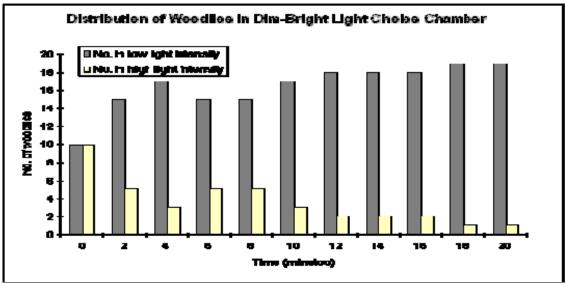
# Life Science Test Arthropods & Echinoderms Class & Section: 2<sup>nd</sup>

Name:	Class & Section: 2 <sup>nd</sup>		March, 2006	
Duration: one period	Special Remarks:			
Neatness: (2%) I. Circle the letter that best answers the compact in the second of the second only on the head. b. hard and immovable.	c. jo	Estimated Grade: _ inted and extend from the boo vided into six branches.		
An arthropod is vulnerable to predate a. it must come out of hiding to molt. b. its new exoskeleton is soft. c. molting cannot occur without the assist d. predators are more numerous during to	stance of predators.	riod because		
The function of mandibles is to a. bite and grind food. b. sense the environment.	<u>-</u>	ropel an arthropod when it sw apport an arthropod when it w		
<ul> <li>Spiders feed by</li> <li>a. swallowing their prey whole.</li> <li>b. biting off and swallowing pieces of the</li> <li>c. sucking up prey tissues that have been</li> <li>d. sipping nectar through a tube like more</li> </ul>	liquefied by enzymes.			
The water vascular system of echino a. respiration. b. circulat			ctions EXCEPT reproduction.	
The mouthpart of a spider that conta a. spinneret. b. pedipal II. Complete each statement on the line 1. If an arthropod has two pairs of anter	p. c. ch provided. (12%)	nelicera. d. 1	thorax.	
2. A group of closely related animals of is called a (an)	·	-	_	
<ul><li>cup.</li><li>4. Shedding of the exoskeleton is called</li></ul>	od.			
5. Ants, bees, and termites are example				
6 is an echinoc				

III.. Study the following diagrams then answer the questions below.



Rana did the experiment and drew the graph below. Use the graph to answer the questions below:



1 and Quantitions	
h. How many woodlice did Rana use in her experiment? (2%)	
i. After four minutes, how were the woodlice distributed in the chamber? (3%)	
j. After twenty minutes, how were the woodlice distributed in the chamber? (4%)	
k. What can be a conclusion to Rana's experiment? (3%)	
IV. In complete sentences, write the answers to the questions on the lines provided.  a. Contrast the skeleton of the arthropod to that of an echinoderm. Give two differences (4%)	
b. What would happen to an arthropod if it were unable to molt? Justify. (4%)	
c. What will happen if a sea star is cut into pieces? (4%)	

d. Why would venom-producing glands be useless to many millipedes? (3%)
V. Use the diagram to answer each question.
1 N
1. Name the animal in the diagram. In what kind of environment does it live? (3%)
2. To what phylum does the animal in the diagram belong? Justify by giving two unique characteristics. (5%)
3. Identify the structures labeled A and describe their function. (4%)
4. Identify structure B. What substance is found in this structure, and how does that substance enter the
animal's body? (4%)
5. Identify structure C and explain how it is used during feeding. (4%)