Biology I - diy NOTES
Chpt 28.1 and 28.2
Arthropods

Name	
Date _	Hour

Read chapter 28.1 and 28.2 in your text, pages	<i>741-755.</i>	Fill in the	blanks (or
answer the questions) below using the information	on you have	read.	

	below using the information you i		
General characteri	stics of arthropods:		
· A typical arthrop	oods is a,,		
	_ animal.		
•	symmetry		
• has	structures called		· ·
Define appendage.	What are they used for?		
What are 3 advant	ages to having jointed appenda	ges?	
d. Staustung (Skal	atal Musaulan sustam):		
•	·		
•			
The exoskeleton _	and		_internal tissues
•	·	•	•
	• A typical arthrop • • has Define appendage. What are 3 advant Arthropods have a The exoskeleton _ and provides places In species that live	animal. symmetry - hasstructures called Define appendage. What are they used for? What are 3 advantages to having jointed appendage My Structure (Skeletal-Muscular system): Arthropods have anskeleton. It is a , made of The exoskeleton and and provides places for In species that live on land, the exoskeleton amy of	 A typical arthropods is a

6.	What are 2 major disadvan arthropods overcome this c	How have	
7.	Most arthropods are	, but do not have as	many as worms.
8.	In most arthropods, the se	gments have become	into
	3 body sections: the	, the	, and the
	 •		
Re	spiratory System:		
9.	Why do arthropods need we	ell a developed respiratory syste	:m?
10	. Three types of respiratory	structures:	
	1.) Aquatic arthropods exc	hange gases through	, which extract
	oxygen from, and releas	e carbon dioxide into the	 •
	2.) Most insects have spec	ial structures called	
	that are hollow tubes th	nat carry air throughout the body	y. Air is pumped
	when the	move.	
	3.) Most spiders have spec	ilized structures called	which
	·	tacked like the pages in a book.	
Se	nsory / Nervous system:	· -	

11. Movement, sou	nd, and chemicals can be det	ected by
They are also (used for sound and odor	among animals.
12. Accurate	is also importan	nt to arthropods. Most arthropods
have	of large	eyes and to
	eyes.	
13. What is the di	fference between a simple ey	ye and a compound eye?
14 The nervous sy	rstem of an arthropod consis	ts of:
•	tral	
		as centers for the
	in which t	ney are located.
Cinculatory Eveto	m'	
Circulatory System		
•	od is pumped by a	
•	circulatory	·
16. How does an op	oen circulatory system work?	
Digestive system:		

17. Arthropods have a	digestive system with a,
	, and,
together with other gland	S.
18. The mouth of most arthro	ppods include one pair of called
·	They are adapted for holding,,
, or	depending on the food source.
Excretory System:	
19. Most terrestrial arthropo	ds excrete wastes through
located in the	, they are attached to and empty into the
 .	
Reproduction:	
20.Most arthropods have	and reproduce
·	
21. Define parthenogenesis.	

Ту	pes of Arthropods: (us	e the red categories in chapter 28	.2)	
1.				
	· examples:			
	· have	of jointed appendages, of these _		_are legs
2.				
	· examples:			
	• live in	or damp places.		
3.		and		
	· what do they eat?			
4.				
	· are considered to be		_ because:	
5.				
	· examples:			
	· the	group of arthropods.		
	· have body seg	gments and legs.		

22.Define metamorphosis.
23. What is an advantage to undergoing complete metamorphosis?
24. What is the difference between complete and incomplete metamorphosis?
25.What characteristics and adaptations have allowed arthropods to survive and be so successful in so many habitats?
26.Arthropods most likely evolved from an ancestor of which are