Biology I - diy NOTES Chpt 25 Intro to Animals

Name	
Date	 Hour

Read chapter 25 in your text, page 673-675 and 680-685. Fill in the blanks (or answer the questions) below using the information you have read.

1. List at least 3 characteristics all animals have in common.

- 2. What does heterotrophic mean?
- 3. Explain the statement: "All animals depend either directly or indirectly on autotrophs for food."

- 4. Scientists hypothesize that animals first evolved in _____.
- 5. According to the text, what is one disadvantage of living in water?
- 6. According to the text, what is one advantage of living in water?
- 7. What does sessile mean?
- 8. After ingesting their food, animals must ______ it.

9.	In animals, exces	s energy fror	n food is stored as _	or
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10. Simple digestive systems like those in flatworms have _____ opening called a

_____. More advanced animals, such as earthworms have _____

openings, a ______ at one end and an ______ at the other.

11. What 2 things are Animals able to do because of specialized cells?

p680 12. Different kinds of ______ enable animals to _____ in different ways.

13. Animals with no symmetry are called ______.

14. Animals with no symmetry often are _____ organisms that

_____ from place to place.

15. Give an example of an animal with no symmetry.

16. Give an example of an animal with radial symmetry.

17. Radial symmetry is an adaption that enables an animal to ______

18. Give an example of an animal with bilateral symmetry.

19. ______ symmetrical animals can be divided in ______ along only one plane. ______ symmetrical animals can be divided along ______ vertical plane.

20.In bilateral animals, the ______ or head end, often has

	The		end is the tail end.			
	The	or surface, also I		o looks different from		
	the	_ or	surface. Th	e is the		
	surface with the dorsal surface, and the bellly is on the					
	surface.					
21.	Animals with bilater	al symmetry co	an find	and		
	and avoid because they have					
	and good		·			
22	.The development of			made it possible for		
	animals to		beca	use it allowed for the		
	efficient		and	of,		
	and	for	and	organ systems.		
23	.Acoelomates have	body (cavities.			
24.Acoelomates may have been the first group of animals in which evolved.						
25	.Give an example of a	n acoelomate.				
24	M/hat daga a flattan	مط ممانط لممطير				
20. What does a flattened solid body allow them to do?						
27	.Pseudocoelomates co against the rigid	in move	because [.]	their muscles can brace		
28	.Pseudocolomates hav	/e a	digestive	tract.		

What are the 3 sections and what is the function of each?

30. The greatest diversity of animals is found among the ______.

31. Specialized ______ and organ systems develop in the ______.

32.What does the coelom do?

33. Why is there such a great diversity of animal species?

34.List 5 things an exoskeleton does for an animal.

35. What are the 3 types of exoskeletons made of?

36.All vertebrates are ______ symmetrical.

37.Most biologists agree that animals probably evolved from _____