NUTRITION & DIGESTION READING GUIDE

Answer the following questions as you read Sections 32.1-32.3 (starting on pg. 971) using your own words.

1.		There are six (6) nutrients that help humans to maintain homeostasis. List theses nutrients needed every day and for each, briefly describe their function in the body (What are they needed for?)		
	1)			
	2)			
	3)			
	4)			
	5)			
	6)			
2.	•	lieticians recommend drinking 8 glasses of water a day; Why do you think humans need this much fluid to in homeostasis?		
3.	. What is the difference between saturated and unsaturated fats ?			
4.	Which	of the six (6) nutrients you listed above supply the body with energy?		
5.	What is	the main function of digestion ?		
6.	Give an example of both mechanical and chemical digestion.			
7.	How do smooth muscles and sphincters help keep food moving in one direction throughout the digestive system?			
8.	-	Digestion begins in the mouth and ends in the small intestine. For each digestive structure below, summarize the ligestive processes that occur here:		
	1)	Mouth -		
	2)	Esophagus -		
	3)	Stomach -		
	4)	Small intestine -		

9.	Each structure along the digestive pathway contains digestive enzymes that break down food into the nutrients. For each enzyme below, identify their function, where they are found, and which macronutrient they digest:		
	1)	Amylase -	
	2)	Pepsin -	
	3)	Lipase -	
10.	What k	eeps the stomach from digesting itself?	
11.	What h	appens after digestion is complete?	
12.	What is	s absorption and why is it important in your body?	
13.		are three (3) sections of the small intestine that all have different jobs. For each listed below, explain their n in digestion and/or absorption of nutrients:	
	1)	Duodenum -	
	2)	Jejunum -	
	3)	Ileum -	
14.	What s	tructures exist in the small intestine that absorb nutrients?	
15.	Why is	it important for food to move slowly through the small intestine?	
16.	What h	appens when nutrient-rich blood leaves the small intestine and enters the liver?	
17.	What is	s the function of the large intestine?	
18.	In wha	t ways can bacteria in the large intestine be helpful and harmful?	
19.	How is	solid waste eliminated from the body?	
20.	What n	naterials make up this waste?	