

Read the following sets of pages in the Human Body Systems book: p.20-23, p.29, p.48-49, p. 54-55.
Use short answers to answer the questions below based on the readings .

1. What are the six types of nutrients ? (P.20)

2. How does our body use the three basic food groups in the body? (p. 21-22)

A. Carbohydrates

uses:

B. Protein:

uses:

C. Fats:

uses:

3. What are vitamins and minerals, why do we need them? (p.23)

4. What do all of the 's' letters stand for in the diagram on page 29?

What did we do in class to find evidence that this diagram (p. 29) is correct?

5. What are pancreatic juices? (p.48-49)

6. How large is the surface area of the small intestine? (p. 54-55)

7. Refer to the table at the bottom of the page and the information on pages 21 to 23 to complete the following: Make a table that shows one example of each basic food group, the enzyme that breaks down each food, where chemical digestion starts and ends and what does each food get broken down into.

Examples of foods from each basic food group	Enzyme that breaks down this food:	Digestion of this food begins in:	Digestion of this food ends in:	This food is broken down into:
Example: rice	amylase	Mouth	Small intestine	sugar

Name of the enzyme	Where is it found?	What does the enzyme break down?
Amylase	Mouth, stomach, small intestine	Amylase turns starch into sugar
Pepsin	Stomach, small intestine	Pepsin turns protein into amino acids
Lipase	Small intestine	Lipase turns fat into fatty acids