Digestion

Directions:
Your instructor will assign you certain questions to answer. You will need to make an initial post with your answers. Then, you will be able to interact with your peers to answer the remaining questions.

1. Discuss the different actions involved in mechanical and chemical digestion in the mouth, stomach, small intestine, and large intestine.
2. Define the following terms and their action:
   - Peristalsis
   - Segmentation
   - Mastication
   - Chyme
3. What primary acid is released in the stomach, and what primary secretion protects the lining of the stomach from this acid?
4. Very little digestion begins in the mouth. What one food source does begin to be broken down in the mouth, by what gland, and name the enzyme responsible.
5. Define the action of trypsin.
6. Define the following hormones and their action:
   a. Secretin
   b. Cholecystokinin
7. Recall what the end product of fat digestion is called.
8. Describe the action of the following mechanisms of the absorption process:
   a. Simple Diffusion
   b. Facilitated Diffusion
   c. Active Transport
   d. Pinocytosis
9. Define the transportation routes for carbohydrates, proteins, and fats.
10. Define the two organs that work with the small intestine.
11. Discuss the primary function of the large intestine.
12. Discuss the action of intestinal bacteria.
14. Recall the purpose of fiber, and state why digestion does not take place in the gastrointestinal system.
15. Describe the purpose of bile, and what substance bile contains that assists with its purpose.
16. Define the term utilized when protein breakdown is transformed into glucose.
17. Define the purpose of mucosal folds, villi, and microvilli.

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