

Anatomy and Physiology

Digestion Homework #4

NAME _____

PER _____ DATE _____

Note: You will have a quiz on the class period following this assignment, so make sure that you review the meanings of the terms and the answers to the questions.

Define Vocabulary: Use your book and the internet to define the terms. Please define the terms on the reverse side of this handout. Thank You!

- | | |
|-----------------|-------------------|
| 1. Chief Cells | 5. Muscularis |
| 2. Goblet Cells | 6. Serosa |
| 3. Haustra | 7. Submucosa |
| 4. Mucosa | 8. Parietal Cells |

Discussion Questions:

1.) What is the function of bicarbonate in pancreatic juice? Explain why ulcers are more likely to be located in the duodenum than in the stomach?

2.) In the stomach, explain how the secretion of hydrochloric acid and pepsin is regulated?

3.) Describe how pancreatic enzymes become activated in the small intestine, and explain the need for these mechanisms.

4.) Explain the relationship between the human and his/her colonic bacteria.