Name: _____

Unit 6—Digestive System Notes

Textbook: Marieb Chapter 23 (Online PDF available)

Objective: The model of taking notes before lecture, taking notes during lecture and assimilating these two learning experiences into a set of notes is common in college preparation. We have been working all year to build to a college-level expectation. However, this is not a college-level class so—the notes will be supported by giving you guiding questions to help you inform your reading and I will provide you a structured poster in which to assimilate your notes). The goal would be by our last unit—you can do this process autonomously.

Expectation: Read the sections outlined below by page and topic. Complete the questions that follow. Turn in this assignment on March 8, 2018. At the beginning of class on Thursday, March 8th, you will complete a warm up—measuring your understanding of the questions from this assignment. The warm up with be worth 2x the points of the notes. It does not benefit you to simply copy the answers—you must understand why they are the answers.

Page(s)	Section	Sub-Section
849	Introduction to Digestive System	
850-855	Overview of Digestive System	Digestive Processes Basic Functional Processes Digestive Systems Organs Homeostatic Imbalance The Mucosa
856-859; 861-862	Functional Anatomy of the Digestive System	The Mouth The Salivary Glands Composition of Saliva The Pharynx The Esophagus
863-864	Digestive Processes: Mouth to Esophagus	Introduction Mastication Deglutition
864-870; 874	The Stomach	Gross Anatomy Microscopic Anatomy Types of Cells (Parietal, Chief and Enteroendocrine) Mucosal Barrier Homeostatic Imbalance Digestive Processes of the Stomach Homeostatic Imbalance
874-878; 881-885	The Small Intestine & Associated Structures	Introduction Gross Anatomy Microscopic Anatomy Histology Intestinal Juice The Liver & Gallbladder (Intro) Composition of Bile The Gallbladder The Pancreas Composition of Pancreatic Juice Table 23.2
887-892	The Large Intestine	Gross Anatomy Subdivisions Homeostatic Imbalance Microscopic Anatomy Bacteria Flora Motility of Large Intestine Homeostatic Imbalance 23.14 + pg 905 Defecation Homeostatic Imbalance 23.15

Reading Questions: Answers must be numbered. Typed or neatly hand written.

1. What is the function of the digestive system?
2. What is the Alimentary Canal?
3. What are all of the parts of the Alimentary Canal?
4. What are the specific functions of each part of the Alimentary Canal?
5. What are all of the Accessory Organs?
6. What are the specific functions of each part of the Accessory Organs?
7. List and describe the 6 Digestive processes that occur in the body?
8. What parts of the body control and regulate digestion?
9. What is the peritoneum and mesentery?
10. What is peritonitis? What causes it?
11. What types of cell tissues make up the mucosa?
12. What are the three functions of the mucosa?
13. What is the function of saliva?
14. Where are the salivary glands located in respect to the oral cavity?
15. What is the composition of saliva as it relates to digestion and immune system?
16. Where is the pharynx and how is the larynx and esophagus connected in terms of anterior/posterior orientation?
17. What is the sphincter at the distal end of the esophagus? (two possible answers)
18. What is the purpose of mastication?
19. What is the process that gets the bolus from the oral cavity to the stomach?
20. What is the difference between a bolus and chime?
21. What are rugae?
22. Describe the 4 major regions of the stomach from superior to inferior.
23. What is the sphincter that separates the stomach from the duodenum?
24. What is the purpose of mucus in the stomach?
25. What is the function of parietal, chief and enterendocrine cells?
26. What is the most common cause of peptic ulcers?
27. Why does the body experience emesis?
28. What valve separates the small intestine from the large intestine?
29. What are the three parts of the small intestine (in order of digestive processes)?
30. What is the primary cell type in the small intestine?
31. What are the 3 structures that increase the absorptive powers of the small intestine?
32. What is the pH of intestinal juice?
33. What is the composition of intestinal juice?
34. Where does intestinal juice come from?
35. What is the purpose of the liver and gallbladder as it relates to digestion?
36. What is the composition of bile?
37. What gives bile its color?
38. Where is the pancreas located?
39. Where does the pancreas secrete its juices?
40. What is typically found in pancreatic juices?
41. What are the sections of the large intestine (from the ileocecal valve to the external anal sphincter)?
42. What is the function of bacteria in the large intestine?
43. What is the difference between a haustral contraction and mass movements?
44. What are diverticula/diverticulitis, IBS and IBD?
45. What parts of defecation are voluntary and involuntary?