

Study guide for Bio 4 Hoffman Chapter 25

This guide is intended to help you direct your attention to material covered in class. If by error I have failed to include something on this guide that was covered in lecture, it does not mean it will not be on the test. All material on your Powerpoint handouts may be on your test. I have intended to make this guide comprehensive but it is NOT a *guide* to the questions on the test. Use it wisely.

1. Describe the various structures of the digestive system.
2. What are the functions of the digestive system? What structures are involved in each function?
3. How are the digestive system tissues organized? Describe the histology of the system's structure.
4. What types of epithelium are found in each part of the system? Why do they differ along the GI tract?
5. Define peristalsis. How does peristalsis occur?
6. What structures or areas make up the oral cavity? (This is guest lecture material). Also, where salivary glands are. Name the salivary glands.
7. What solutes are found within saliva?
8. What structures or areas make up the pharynx and esophagus? Which are the esophageal sphincters?
9. What are the different regions of the stomach called? What are gastric pits? Review figure Fig 24.12
10. What are the glands of the stomach called? How do cells in the crypts differ? What chemicals do they secrete?
11. What structures or areas make up the small intestine? How do the duodenum, jejunum and ileum differ?
12. What structures or areas make up the large intestine? Identify function of the large intestine.
13. What are the accessory organs of the digestive system? What function does each part play in digestion? Include: pancreas, liver, gallbladder.
14. Trace the path of a bolus from ingestion through elimination from the body. Be specific about what is happening at each step.
15. What are peptic ulcers?
16. Are pin worms common in Santa Cruz? What is the life cycle?