

## Ch 15 – Digestive System

1. What is the main function of the digestive system?
2. Define alimentary canal. List the structure of the wall of the alimentary canal. Define **peristalsis**. List the types of epithelial tissue involved in the digestive tract.
3. List the organs of the digestive tract in order from mouth to anus.
4. Explain the 6 processes of digestion.
5. Mouth – describe functions of the structures of the mouth (cheeks/lips, tongue, palate, tonsils, and uvula), define **mastication**, list which macromolecule starts its breakdown here
6. Teeth – list the function of each type, difference between primary and secondary teeth, and draw and label the parts of a tooth
7. Salivary Glands – function of saliva, list the enzyme used
8. Pharynx – describe the location of the 3 parts and function, describe **bolus**
9. Explain the swallowing mechanism: 3 stages
10. Esophagus – list the definition and function
11. Stomach – list the function, describe the anatomy: shape, names of the 2 sphincters, name of the inner folds and its function, describe the substances/enzymes secreted by the stomach and their functions: gastric juice, pepsin, and gastrin, list which macromolecule starts its breakdown here, describe **chyme**
12. How are gastric secretions regulated?
13. Pancreas – list structure and functions (specify which is digestive and endocrine functions), how are secretions regulated, list where does the pancreas connect to the small intestines
14. Liver – location of the liver, list the functions, list the purpose of bile
15. Gallbladder – list the function and the location, how is bile release regulated, list where the gallbladder connects to the small intestines
16. Small Intestines – list the function, describe the anatomy: parts of the inner walls, names of 3 subdivisions, define **greater omentum**, and list which macromolecule starts its breakdown here, define **lacteal**
17. Large Intestines – list the function, difference between small and large intestines, describe the anatomy: subdivisions/parts of colon, names of the sphincters, connection between small and large intestines, define **feces**
18. Nutrition – define calorie, list 5 major nutrients, list the sources of carbohydrates and how they are used, list sources of lipids and how they are used, list sources of proteins