Chapter 15 - The Digestive System

1) The innermost lining of the digestive system is the ______________.

2) What enzyme breaks down starch into smaller monosaccharide molecules?

3) Which of these events occurs normally in swallowing?
   1. Glottis opens
   2. Stomach closes
   3. Epiglottis rises
   4. Larynx rises
   5. Esophagus closes

4) What type of food begins its digestion in the stomach?

5) Pepsinogen is converted to pepsin by the presence of what other chemical?

6) What digestive structure absorbs water from indigestible food residue, store feces, and eliminate them from the body?

7) Chyme travels from the stomach to which specific structure?

8) What hormone is released in the small intestine that stimulates the pancreas to release digestive juices and the gall bladder to release bile?

9) Lacteals characteristically transport ______________.

10) If a person were unable to produce ______________, the gastric juices might destroy the stomach lining.

11) If a person were born with the inability to produce pepsin, how would this affect his or her digestion?

12) Harriet lives in Galveston and loves to eat raw shellfish, although after a big hurricane, she started having pain in the abdomen, unexpected fatigue, and the whites of her eyes became yellow. What is the most likely cause of her condition?

13) Thomas developed indigestion and pain under his belly button over the weekend. As the week progressed, the pain worsened and moved to a point under the lower right abdomen and vomiting, nausea, and fever incurred. Which of the following would you suspect was the cause of these symptoms?
   1. colorectal cancer
   2. heartburn
   3. peptic ulcer
   4. stomach cancer
   5. appendicitis
14) Stratified squamous epithelium is tissue that can take a lot of physical wear and tear, but compared with some other tissues, does not absorb water-soluble materials well. Which of the following is least likely to be lined by stratified squamous epithelium?
   1. Esophagus
   2. Kidneys
   3. Mouth
   4. Anus
   5. Small intestine

15) What is a lipid composed of three fatty acids and a glycerol called?

16) Obesity is linked to which of the following?
   1. Colon cancer
   2. Greater risk of diabetes
   3. High blood pressure
   4. Greater risk of cardiac problems

17) Which one of the following is the most important source of blood cholesterol?
   1. The stomach
   2. The liver
   3. Cholesterol in foods
   4. Dietary unsaturated fats
   5. Dietary saturated fats