

Digestive System Objectives:

Define these key terms:

nutrition nutrients water carbohydrates fats proteins minerals vitamins
digestion mechanical digestion chemical digestion peristalsis chyme digestive juices
protease villi lacteal amylase pepsin pancreatic enzymes lipase bile
emulsification

- Identify the functions for the 6 main organic nutrients (water, carbohydrates, fats, proteins, vitamins, and minerals).
- Identify the organs of the digestive system.
- Describe the function of the mouth, esophagus, & the stomach.
- List the functions of the small intestine.
- Draw and label a villus.
- State the function of capillaries and lacteals in the small intestine.
- Recognize the role of microvilli in the small intestine.
- Relate the analogy of a shag and threadbare carpet with the small intestine.
- List the functions of the large intestine.
- List the functions of the rectum.
- Determine the enzymes located in the following structures: mouth, stomach, small intestine, liver, and pancreas.
- Sequence the pathway of the digestive system.
- Identify the structures where mechanical and/or chemical digestion occurs for carbohydrates, proteins, and fats.
- Identify the organ where absorption occurs.
- Identify the structure where chemical digestion is completed.
- List the accessory organs involved with the digestive system.
- Explain the role for gastric juices, liver, gall bladder, & the pancreas in the digestive system.
- Describe the cause(s) and treatments for the following medical conditions that disrupt homeostasis for the human body (heart burn, ulcers, diarrhea, constipation, pancreatitis, gall stones).