

UNIT 10 - DIGESTIVE SYSTEM

STANDARDS AND OBJECTIVES

STANDARD

10 Students will describe the structures and functions associated with the digestive system.

OBJECTIVES

- 10.01 Identify the general functions of the digestive system.
- 10.02 Contrast chemical and mechanical digestion.
- 10.03 Differentiate between the alimentary canal structures (mouth, pharynx, esophagus, stomach, small intestines, large intestines, rectum, anus) and the accessory structures (salivary glands [parotid], pancreas, gallbladder, liver).
- 10.04 Describe the functions of saliva and salivary amylase in digestion.
- 10.05 Identify the following parts of a typical tooth.
(crown, neck, root, gingiva, periodontal ligament, enamel, dentin, pulp, root canal)
- 10.06 Define deglutition, mastication, maceration, segmentation, peristalsis and haustral churning.
- 10.07 Identify the anatomical features of the stomach.
(fundus, body, pylorus, rugae, cardiac sphincter, pyloric sphincter).
- 10.08 Identify the basic components of gastric juice.
(pepsin, hydrochloric acid, and mucus)
- 10.09 Identify the location and digestive functions of the pancreas.
- 10.10 Describe the function of bile (emulsification).
- 10.11 Identify the three sections of the small intestine.
(duodenum, jejunum, ileum)
- 10.12 Identify the structures and sections of the large intestine.
(cecum, colon [ascending, transverse, descending, sigmoid], rectum, anal canal)
- 10.13 Identify the following diseases or disorders of the digestive system.
(appendicitis, cirrhosis, colorectal cancer, gallstones, hepatitis, obesity, ulcers)