

# ANATOMY AND PHYSIOLOGY: DIGESTIVE SYSTEM

- The digestive system provides the body with nutrients for maintenance of life.

The various organs in this system work together in the process of:

**1. Ingestion** – where in food from outside the body enters the alimentary tract through the mouth

**2. Digestion** – which could be mechanical (physical breakdown of food into smaller pieces) or chemical (enzymatic action)

**3. Absorption** of digested materials

**4. Elimination** of undigested materials

## SUBDIVISION

### A. Alimentary Canal

1. mouth
2. pharynx
3. esophagus
4. stomach
5. small intestine
6. large intestine
7. rectum
8. anal canal

### B. Accessory digestive organs

1. salivary glands
2. liver and gall bladder
3. pancreas



## A. ORGANS OF THE

### GASTROINTESTINAL TRACT

**1. MOUTH/ ORAL CAVITY** – subdivided into the:

- a. Vestibule** – space between the lips and cheeks externally and teeth internally
- b. Oral cavity proper** – space enclosed by the teeth

Structures inside the oral cavity proper:

**1. Tongue** – dorsal surface divided into anterior 2/3 and posterior 1/3 by the sulcus terminalis

- papillae found in this surface

**a. Filiform** – most numerous, with pointed ends

**b. Fungiform** – larger, rounded, with some taste buds

**c. Vallate** – around 8-12, located anterior to the sulcus terminalis

- contains the greatest amount of taste buds

# Chapter 38 Study Guide Digestion And Nutrition

**J. Milner Fothergill**



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