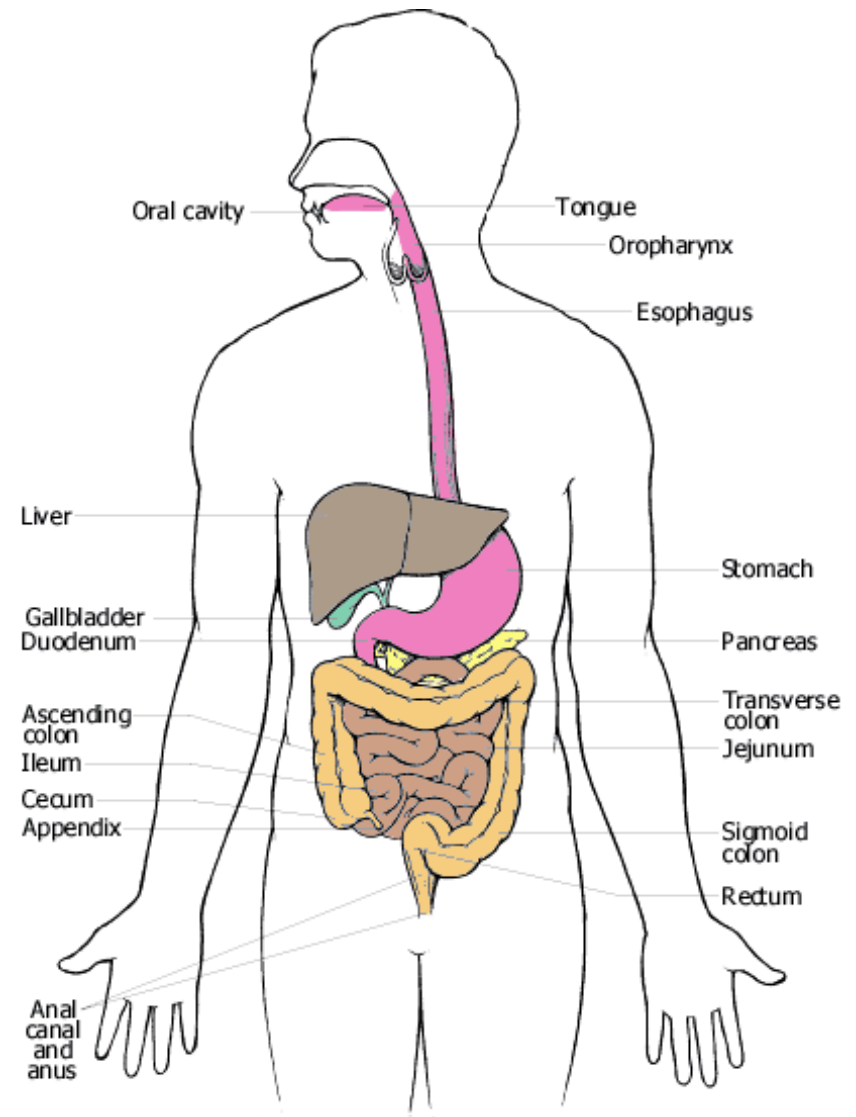


Physiology of Digestion and Absorption



Overview of the Digestive System

The Digestive System Consists of ;

a) Long hollow muscular tube or canal or tract called gastrointestinal tract or **(GIT)**: it is about 5 meters long

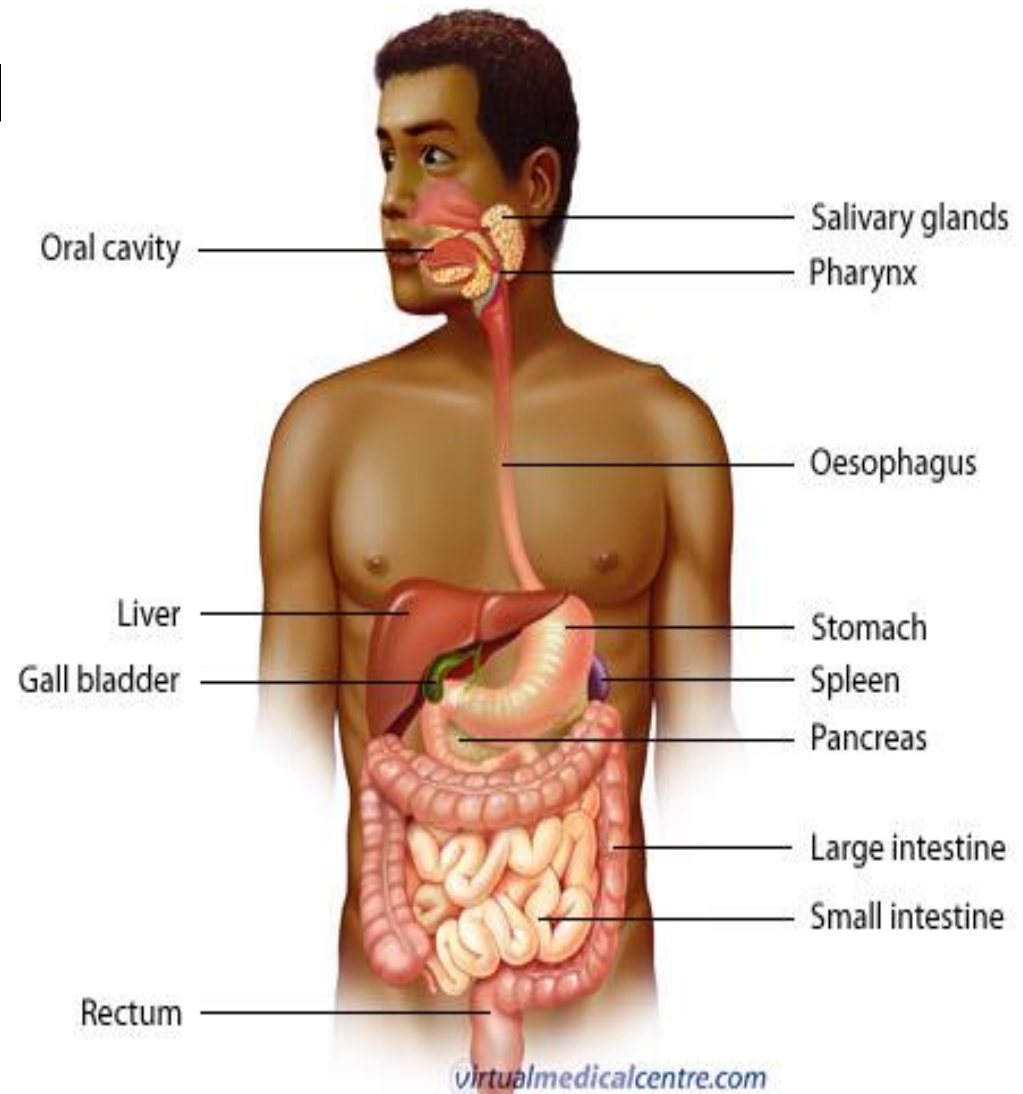
b) Accessory glands: include:

- Salivary glands
- Liver and gall bladder
- Pancreas

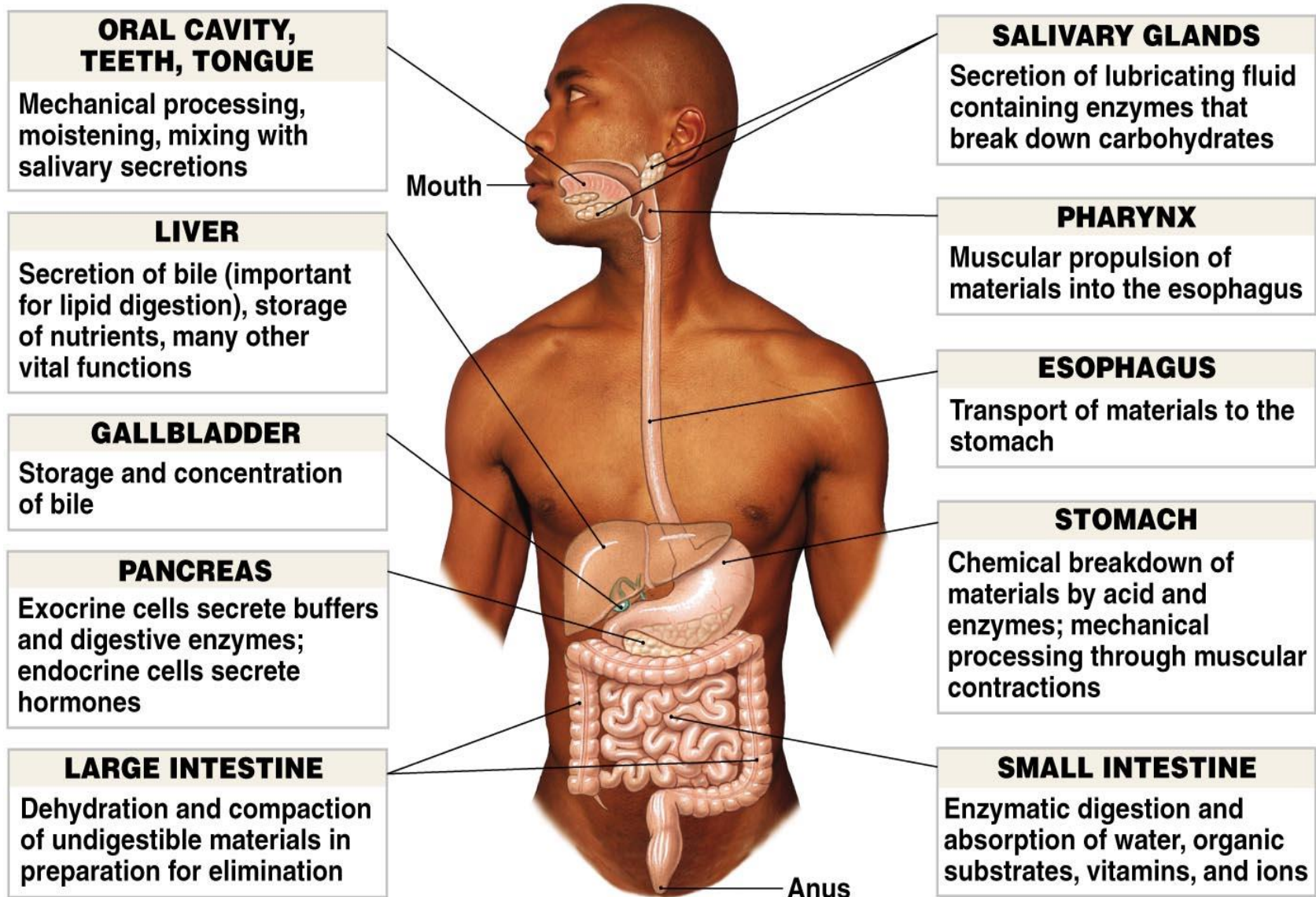
Overview of the Digestive Tract

GI consists of;

- Oral cavity or mouth
- Pharynx
- Esophagus
- Stomach
- Small intestine
- Large intestine
- Rectum
- Anus



Components of Digestive System and Their Functions



Main Functions of Digestive System

- 4 major activities of GI tract
 - 1. Motility**
 - Propel ingested food from mouth toward rectum
 - 2. Secretion of juices e.g. saliva**
 - Aid in digestion and absorption
 - 3. Digestion**
 - Food broken down into absorbable molecules
 - 4. Absorption**
 - Nutrients, electrolytes, and water are absorbed or transported from lumen of GIT to blood stream

