

# HUMAN DIGESTION PROCESS FUNCTIONS

<b>Mouth</b>	Ingestion & Mechanical Breakdown	Chewing (mastication); Salivary amylase begins carbohydrate breakdown.
<b>Esophagus</b>	Transportation	Peristalsis moves bolus from pharynx to the stomach.
<b>Stomach</b>	Chemical & Mechanical Digestion	Churning; Gastric acid (HCl) and Pepsin break down proteins into chyme.
<b>Small Intestine</b>	Absorption & Final Digestion	Nutrient absorption through villi; Enzymes break down fats, proteins, and carbs.
<b>Liver / Gallbladder</b>	Emulsification	Production and storage of Bile to break down lipid (fat) molecules.
<b>Pancreas</b>	Enzymatic Secretion	Produces insulin and digestive enzymes (lipase, protease, amylase).
<b>Large Intestine</b>	Absorption & Elimination	Water and electrolyte reabsorption; formation of waste (feces).

**Rectum /  
Anus**

Excretion

Storage and voluntary expulsion of  
waste material.