

# DIGESTIVE SYSTEM FUNCTIONS

<b>ORGAN</b>	<b>PRIMARY FUNCTION</b>	<b>KEY SECRETIONS</b>
<b>Mouth</b>	Mechanical breakdown via mastication; initiation of starch digestion.	<i>Salivary Amylase</i>
<b>Esophagus</b>	Transport of bolus to stomach via peristaltic waves.	<i>Mucus</i>
<b>Stomach</b>	Chemical breakdown of proteins; churning of food into chyme.	<i>Pepsin, HCl</i>
<b>Small Intestine</b>	Primary site of nutrient absorption and final chemical digestion.	<i>Lipase, Trypsin</i>
<b>Liver / Gallbladder</b>	Emulsification of lipids to increase surface area for enzymes.	<i>Bile Salts</i>
<b>Pancreas</b>	Production of digestive enzymes and neutralization of stomach acid.	<i>Bicarbonate</i>
<b>Large Intestine</b>	Absorption of water and electrolytes; formation of feces.	<i>Mucus</i>