

(Gastro intestinal tract, Digestive tract, Alimentary canal)

Functions *Ingestion, Mechanical digestion, Chemical digestion, Propulsion, Absorption, Defecation***GI tract is divided into:****Mouth** *Prehension, Mastication, Mixing, Tasting, Lubrication, Chemical digestion, Deglutition***Esophagus** *Moving, Peristalsis***Stomach** *Mixing, Mechanical digestion, Chemical digestion, Absorption***Small intestine**
Duodenum *Peristalsis, Chemical Digestion, Absorption***Jejunum** *Peristalsis, Chemical Digestion, Absorption***Ilium** *Peristalsis, Absorption***Large Intestine**
Appendix *No function, Rudimentary organ***Ascending Colon**
Transverse Colon *Peristalsis, Absorption***Descending Colon**
Rectum *Peristalsis, Fecal storage***Anus** *Defecation***Accessory organs:** Teeth, Tongue, Gall bladder**Accessory Glands;** Salivary, Pancreas, Liver,**Secretions:***Salivary glands:* (Parotid, Submandibular, Sublingual) Saliva contains mucus, amylase*Stomach:* Gastric juice contains Pepsinogen (chief cells), Hydrochloric acid & Intrinsic factor (parietal cells), Mucus (Mucous cells), Gastrin & Histamine (endocrine cells)*Pancreas:* Pancreatic juice contains Amylase, Lipase, Trypsinogen, Chymotrypsinogen, Neuclease, Bicarbonate ions*Small Intestine:* Intestinal juice contains Pepsidase, Sucrase, Maltase, Lactase, Lipase, Enterokinase, Secretin, Cholecystokinin*Functions of Liver:* Detoxification of blood, Destruction of old RBC, Processing carbohydrates, Production of bile, Synthesis of blood proteins, production of urea*Function of Gall Bladder:* Stores bile

