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| --- | --- |
| **Organ** | **Function** |
| **MOUTH** | * Involved in: **INGESTION**, * **MECHANICAL** - Teeth - * Tongue - * Bolus Formation - * Chewing - * Swallowing - * **CHEMICAL**: Salivary Glands – Salivary Amylase |
| **OESPHAGUS** | **MOVEMENT** by Peristalsis -  Layers of Alimentary canal: Serosa (Peritoneum), Longitudinal and circular muscle layer, Submucosa, Mucosa |
| **STOMACH** | **MECHANICAL** -  3 muscular layers -  **CHEMICAL** -  Gastric juice contains:  Mucus -  Hydrochloric acid –  Pepsinogen 🡪 Pepsin – |
| **PANCREAS** | **CHEMICAL** – secretes pancreatic enzymes into duodenum   * Pancreatic Amylase * Pancreatic Protease * Pancreatic lipase |
| **LIVER** | **MECHANICAL** – secretes Bile salts – emulsify fats  *Also rids toxins etc as blood travels via hepatic portal blood.* |
| **SMALL INTESTINES** | **MECHANICAL** – segmentation  **CHEMICAL**   * Intestinal Amylase * Intestinal Protease * Intestinal Lipase   **ABSORPTION** –*explain why well suited to function,*   * Length * Folds * Villi * Microvilli * Thickness of cell * Blood Capillary Network * Lacteals   ***Diffusion & Active Transport*** *- how glucose, amino acids and fats absorb?*  **Glucose:**  **Amino Acids:**  **Fats:** |
| **LARGE INTESTINES** | **Absorption of water and remaining vitamins and minerals**  **Elimination –** |