|  |  |
| --- | --- |
| **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 –**  |