|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **SECTIONS OF THE GIT** | MOUTH | STOMACH | SMALL INTESTINE | LARGE INTESTINE |
| Movement | Chewing | Upper muscle in stomach relaxes to let food enter and lower muscle mixes food with digestive juice | peristalsis | \*Rhythmic ascending waves of contraction originating at the anal end of the large bowel \*Rhythmic longitudinal contractions in the rectum and colon \*Irregular contractions |
| Digestive juices used | Saliva | Stomach acid | Small intestine digestive juice | None |
| Food particles broken down | Starches | protein | Starches,protein,and carbohydrates | No food broken down |
| Functions | Ingest food ,chews and mixes food | Mixes and churns food with gastric juices to form chime, begins chemical break down of proteins | Mixes chyme with digestive juices ,propels food at a rate slow enough for digestion and absorption | Absorbs most residual water, electrolytes,and vitamins produced by enteric bacteria |
| Mucosa | Stratified squamous epithelium | Simple columnar epithelium.Gastric fluids and glands | Simple columnar epithelium contains intestinal glands microvilli | Crypts of heber kulun are present |
| Muscularis | Contains loose connrctive tissue,bllod vessels |  | Considerable amount of fat | Often fatty tissue here |
| Submucosa | Not always present | Plexus | Plexus | Lymph nodules plexus |
| Adventitia or Serosa | Adventitia | Serosa | Mostly serosa | \*Transvers; Serosa \*Rest;Adventitia |
|  |  |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| SECTIONS OF THE GI TRACT | MOUTH | STOMACH | SMALL INTESTINE | LARGE INTESTINE |
| Mucosa | Present | Present | Present | Present |
| Movement | present | present | present | present |
| Digestive juice | present | Present | Present | Present |
| Submucosa | Present | Present | Present | Present |
| Functions | Digestion and extraction of food to absorb energy and nutrients | Digestion and extraction of food to absorb energy and nutrients | Digestion and extraction of food to absorb energy and nutrients | Digestion and extraction of food to absorb energy and nutrients |
| Muscularis | Present | Present | Present | Present |