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SECTIONS OF THE GIT

Differences

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Mouth | Esophagus | Stomach | Small Intestine | Colon | Anus |
| Size | 32mm-77mm | 250 mm length; width 15 - 20 mm | 12 in. (30.5 cm) | 6 meters or 20 feet long | 1.5 meters or 5 feet long. | 21mm |
| Function | chewing and swallowing food | conduit for food and liquids that have been swallowed into the pharynx to reach the stomach | temporary storage for food, breakdown of food,  digestion of food | Absorption of nutrients and minerals from food. | To absorb water from the remaining indigestible food matter, and then to pass the useless waste material | Passage for removal of feaces |
| Epithelial Lining | Stratified squamous epithelium | Stratified squamous epithelium. | Simple columnar epithelium | Simple columnar epithelium | Simple columnar epithelium with a thin brush border and numerous goblet cells. | Simple columnar epithelium to stratified squamous epithelium. |
| Layers | Lining mucosa,  Masticatory mucosa,  Specialized mucosa, Lamina propia | mucosa, scattered submucosal mucous glands, muscularis propria, and adventitia | mucosa, submucosa, muscularis propria, subserosa and serosa | mucosa, submucosa, muscularis propria, subserosa and serosa | mucosa, submucosa, muscular layer, and serosa | Not specified |
| Sections | lips, vestibule, mouth cavity, gums, teeth, hard and soft palate, tongue and salivary glands | Cervical esophagus, thoracic esophagus, and abdominal esophagus | Cardiac region, the fundus, the body, and the pylorus or atrium | Duodenum, jejunum, ileum | Cecum, ascending colon, transverse colon, descending colon, sigmoid colon, and rectum. | Anal canal |
| Microvilli | Absent | Absent | Absent | Present | Absent | Absent |
| pH | 6.2 - 7.6 | 7.0 | 1.5 - 3.5 | 6 - 7.4 | 5.5 - 7 | nil |

Similarities

* They all posess epithelial lining.
* They all possess mucosa membrane.
* Each of their sections have distinct functions.