

The Esophagus

- 24cm long
- Muscular tube connecting to the pharynx
- Secretes mucus (mucin) to lubricate food
- Performs peristalsis
- has a lower esophagus sphincter to prevent food from regurgitating out of the stomach

The Stomach

- Muscular 'J' shaped organ
- Stomach lining secretes mucus, enzymes, pepsinogen and hydrochloric acid
- Muscles in the stomach help mix food and juice chyme
- Pyloric sphincter controls food flow to small intestines
- Initial protein digestion starts here
- pH = 2
- Stores food for digestion

The Small Intestine

- 1) Duodenum = 25 cm
- 2) Jejunum = 2.5 m (breaks down disaccharides and proteins, absorbs nutrients)
- 3) Ileum = 3.0 m (absorbs nutrients, push undigested into large intestine aka fibre)

Most digesting occurs here

The Large Intestine

- 1.5m in length
- Water absorption
- Mineral absorption
- Bacteria makes vitamins B & K