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Structure of the Intestine



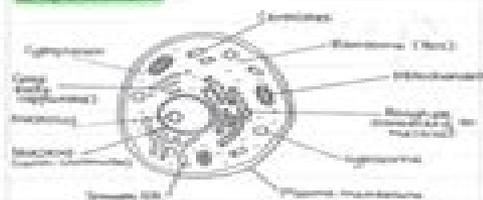
Epithelium - consists of the cells that line the gut wall. The epithelium is made up of simple cuboidal cells. The cells are arranged in a single layer.

Submucosa - consists of connective tissue. It is made up of loose connective tissue. It contains blood vessels and nerves.

Muscularis - consists of smooth muscle. It is made up of two layers of smooth muscle. The inner layer is the circular muscle and the outer layer is the longitudinal muscle.

Serosa - consists of a thin layer of connective tissue. It is made up of simple cuboidal cells. It is the outermost layer of the gut wall.

Diagram of the Intestine



Epithelium

- consists of simple cuboidal cells
- arranged in a single layer
- cells are joined together by tight junctions
- cells are joined together by desmosomes
- cells are joined together by hemidesmosomes

Submucosa

- consists of loose connective tissue
- contains blood vessels and nerves
- contains goblet cells
- contains fibroblasts
- contains macrophages
- contains mast cells
- contains smooth muscle cells

Muscularis

- consists of smooth muscle
- is made up of two layers
- the inner layer is the circular muscle
- the outer layer is the longitudinal muscle

Serosa

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Includes notes, posters, mind-maps and worked solutions

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