

# Digestion and Hormone Control

MMHS Science

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# Hormone Regulation in Digestive System

- Ref. Table 14.1, Fig. 14.16 (p. 475 476)
- 1. Gastrin** (stomach) = Stimulates the release of gastric juice when food is in the stomach.
  - 2. Histamine** (Stomach) = Activates parietal cells to secrete HCL when food is present.
  - 3. Secretin** (Duodenum) = Increases output of pancreatic juice with bicarbonate ions when acidic chyme is present in duodenum.
  - 4. Cholecystokinin “CCK”** (Duodenum)= stimulates gall bladder to expel stored bile when fatty, protein-rich chyme is present in S.I.

