

Fill in What you know about the following with a partner or group:

Gastrin:

- Produced in gastric mucosa cells
- Functions: stimulate acid secretion by the stomach and growth of cell lining

Secretin:

- Presence of chyme and acid in duodenum stimulate secretin secretions
- Functions: inhibit acid secretions, Stimulate bicarbonate production

Cholecystokinin (CCK):

- Presence of chyme and acid in duodenum stimulate CCK secretion
- Functions: regulate gastric emptying, stimulate pancreatic and gallbladder secretions, key hormone regulating feed intake

Gastric Inhibitory Peptide (GIP):

- Secreted from duodenum in response to high glucose concentrations
- Functions: inhibits stomach motility and emptying
- MAJOR function: Stimulates insulin release

Somatostatin: Inhibits release of CCK, Gastrin, and Secretin

Ghrelin:

- New hormone produced by special cells in stomach
- Regulates Growth Hormone release
- Increases food intake and weight gain
- High during negative energy balance

Hypothalamus: is what releases somatistatin