



**FIGURE 24-18** Hormonal control of digestion. Only enterogastrone is inhibitory.

**FIGURE 24-4**  
**HORMONAL CONTROL OF DIGESTION IN STOMACH AND SMALL INTESTINE**

HORMONE	WHERE PRODUCED	STIMULANT	ACTION
Stomach gastrin	Pyloric mucosa	Partially digested proteins	Causes gastric glands to secrete gastric juice.
Intestinal gastrin	Intestinal mucosa	Partially digested proteins	Same as above.
Secretin	Intestinal mucosa	Acidity of chyme	Stimulates secretion of pancreatic juice rich in bicarbonate and promotes production of bile by liver.
Cholecystokinin (pancreozymin)	Intestinal mucosa	Fats	Stimulates secretion of pancreatic juice rich in enzymes.
Enterocrinin	Intestinal mucosa	Acidity of chyme	Stimulates secretion of succus entericus.
Cholecystokinin (pancreozymin)	Intestinal mucosa	Combination of acid and fat	Causes ejection of bile from gallbladder and opening of sphincter of Oddi.
Enterogastrone	Intestinal mucosa	Fats	Inhibits secretion of gastric juice and decreases gastric motility.