

When the acidic stomach contents reach the duodenum, they stimulate the mucosal cells of the duodenum to secrete 2 hormones:

1. Secretin: stimulates the release of bicarbonate to neutralize the acidic chyme from the stomach
2. Cholecystokinin: stimulates the release of digestive enzymes including pancreatic α -amylase which will hydrolyze the α -1,4 glycosidic linkages randomly, so as to produce smaller subunits like maltose, isomaltose, lactose and sucrose.