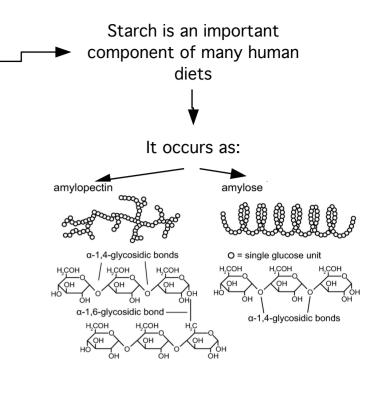
Starch Digestion in the Small Intestine Digestion of starch is completed by enzymes in the membranes of microvili on villus epithelium cells: maltase and dextrinase digest maltose and dextrins into glucose The process consist on the following steps: The di- and produced find the α-1,4 glycosidic bonds that connection the connection of the connection Three enzymes The di- and tri-saccharides that are immobilised in produced from the starch the epithelial cells of the molecules are too large to small intestine, maltase, pass through membranes, so The food is glucosidase and they need to be broken down A mixture of maltose, chewed dextrinase, break down into monomers maltotriose and these molecules into (monosaccharides) before dextrins enter the glucose, which can then maltose and amylopectin. they can be absorbed. small intestine. be absorbed by the villi. maltriose.



All absorbed monomers from food are transported via the hepatic portal vein from the small intestine to the liver, from there it enters the general circulation which then makes the glucose available for use by all body cells.