

- **In the Small Intestine:**

- The **pancreas** secretes **pancreatic amylase**, a powerful enzyme that completes the digestion of starch into maltose and small glucose polymers.
- **Intestinal Enzymes** (on the small intestine walls).
 - Enzymes like **lactase**, **sucrase**, and **maltase** break down disaccharides into monosaccharides:
 - **Lactose** → **Glucose** + **Galactose**.
 - **Sucrose** → **Glucose** + **Fructose**.
 - **Maltose** → **Glucose**.
 - End Result: Most of the carbohydrates are converted to **glucose**, which is water-soluble and absorbed into the bloodstream.

Protein Digestion

1. What Are Proteins?

- Proteins are long chains of **amino acids** linked by **peptide bonds**.
- They are broken down into smaller polypeptides, peptides, and eventually individual amino acids.

2. Where and How Proteins Are Digested:

- **In the Stomach:**