Sources of Glucose for Glycolysis

- Sugars & starch from diet
- Breakdown of stored glycogen from the liver
- Recycled glucose (from lactic acid or amino acids or glycerol)

Key Points

• **Definition:** glucose $C_6 \rightarrow 2$ pyruvate C_3

• Location: cytosol

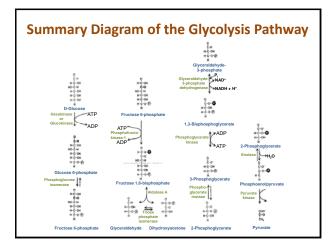
(10 soluble enzymes)

• **Tissues:** all tissues

Functions: 'energy' trapping

(ATP synthesis)

intermediates for fat synthesis intermediates for amino acid



The 10 Reactions of Glycolysis can be grouped into 4 Stages:

- Activation (using up ATP)
- Splitting the 6 C sugar into half
- Oxidation (removing 2H atoms)
- Synthesis of ATP

