Glycolysis Introduction to Metabolism Regulation of Metabolism Overview of Glycolysis Reactions of Glycolysis

Suggested Reading: Lippincot's Ilustrated reviews: Biochemistry

Glucose 6-P Glucose $\downarrow\uparrow$ Fructose 6-P $\downarrow\uparrow$ Fructose 1,6-bis-P Glyceraldehyde 3-P \leftrightarrows Dihydroxy $\downarrow\uparrow$ 1,3-bis-Phosphoglycerate	Glycolysis, an example of metabolic pathway
↓↑ 3-Phosphoglycerate ↓↑ 2-Phosphoglycerate ↓↑ Phosphoenolpyruvate ↓ Lactate ≤ Pyruvate	The product of one reaction is the substrate of the next reaction













GLYCOLYSIS

Universal Pathway: In all cell types Generation of ATP With or without O₂ Anabolics Pathway: → biosynthetic precursors





- Phosphoryl transfer
- Isomerization
- Cleavage
- Oxidation reduction
- Phosphoryl shift
- Dehydration

