



## Enzyme

## Function

① Hexokinase

Glucose  $\rightarrow$  Glucose-6 P

② Phosphoglucose isomerase

Glucose 6P  $\rightarrow$  Fructose-6 P

③ Phosphofructokinase

Fructose-6 P  $\rightarrow$  Fructose 1,6 bisphosphate

④ Aldolase

breakdown fructose 1,6 bisphosphate into

Glyceraldehyde 3P + Dihydroxyacetone phosphate  
"G3P" "DHAP"

⑤ Isomerase

Catalyzes the conversion between "G3P" + "DHAP"

⑥ Triose phosphate dehydrogenase

G3P  $\rightarrow$  1,3 Bisphosphoglycerate  
 $2 \text{NAD}^+ \rightarrow 2 \text{NADH} + 2 \text{H}^+$  reduction

⑦ phosphoglycerate kinase

1,3 Bisphosphoglycerate  $\rightarrow$  3 phosphoglycerate

⑧ phosphoglycerate mutase

3 phosphoglycerate  $\rightarrow$  2 phosphoglycerate

⑨ Enolase

2 phosphoglycerate  $\rightarrow$  phosphoenolpyruvate

⑩ pyruvate kinase

Phosphoenolpyruvate  $\rightarrow$  pyruvate

