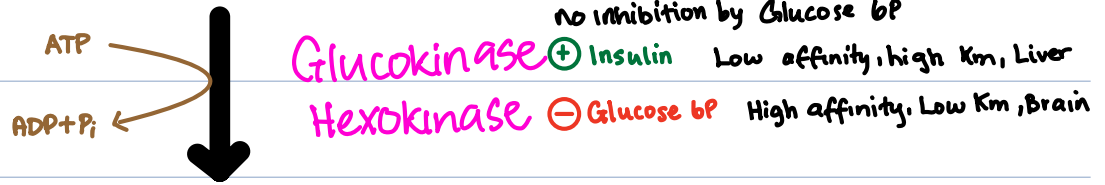


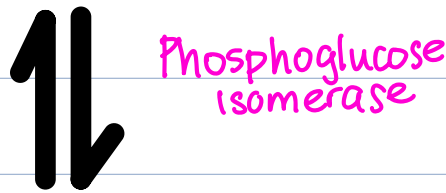
# GLYCOLYSIS

- ATP investment
- ATP payout
- Inhibition
- Activation

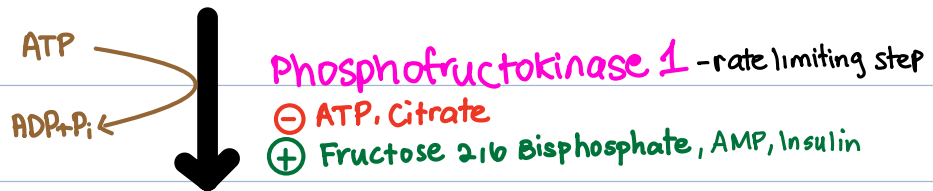
Glucose



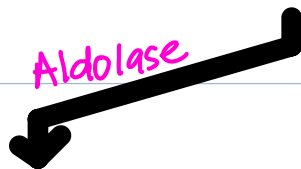
Glucose 6P



Fructose 6P



Fructose 1,6 BP  
(6C)

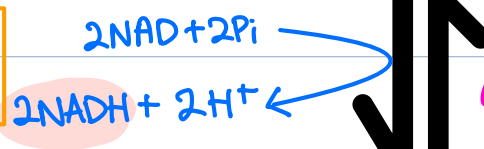


(3C)  
Dihydroxyacetone



(3C)  
Glyceraldehyde 3P

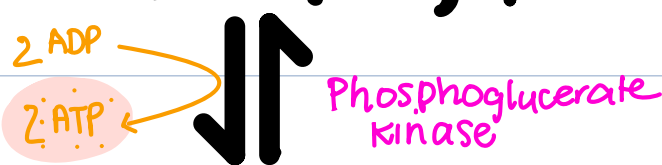
Glyceraldehyde 3P DH  
NADH producing step



Glyceraldehyde 3P Dehydrogenase arsenic

1,3 Bisphosphoglycerate (2)

Phosphoglycerate Kinase is 1st ATP producing step (irreversible)



3 Phosphoglycerate (2)



phosphoglycerate  
mutase

2 Phosphoglycerate (2)

Enolase

Phosphoenolpyruvate (2)

Pyruvate Kinase is  
2nd ATP producing  
step  
(irreversible)

2 ADP

2 ATP

Pyruvate Kinase

⊕ Fructose 1,6 Bisphosphate

⊖ ATP, Alanine

Pyruvate (2)