

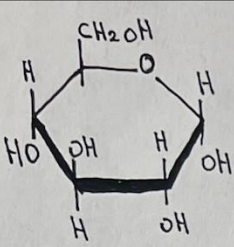
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Nombre del trabajo: rutas metabólicas

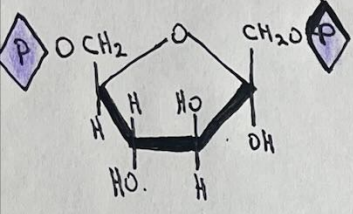
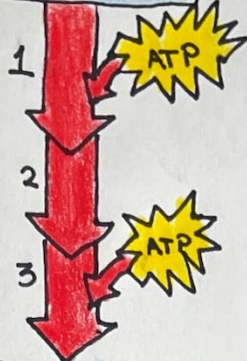
Materia: química

Grupo: Licenciatura en Medicina
Veterinaria y Zootecnia.



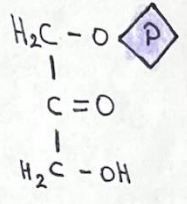
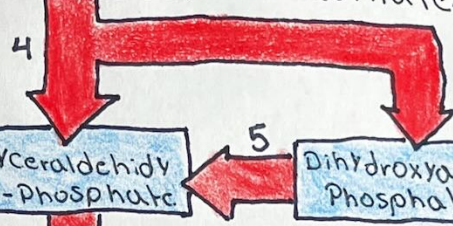
Glucose

Reactions 1-3
Activation by phosphorylation 2 ATPs Invested.



Fructose 1,6-bisphosphate

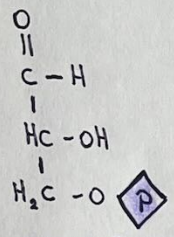
Reactions 4 and 5
cleavage of 1 six-carbon sugar phosphate to 2 three-Sugar Phosphates.



Glyceraldehyde 3-phosphate

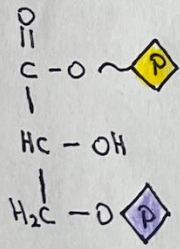
Dihydroxyacetone Phosphate

ENERGY GENERATION PHASE



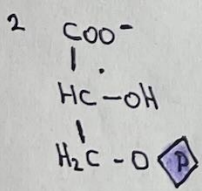
1,3-Bisphosphoglycerate

Reaction 6
Generation of 2 NADH and a Super-High-energy Compound



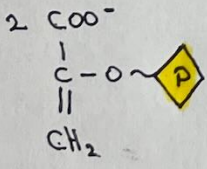
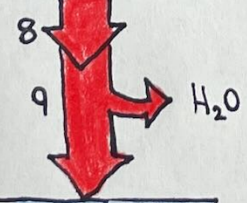
3-Phosphoglycerate

Reaction 7
substrate-level phosphorylation 2 ATPs generated



Phosphoenolpyruvate

Reactions 8 and 9
Generation of a super-High-energy compound (and water)



Pyruvate

Reaction 10
substrate-level phosphorylation 2 ATPs generated.

