Glicolisis

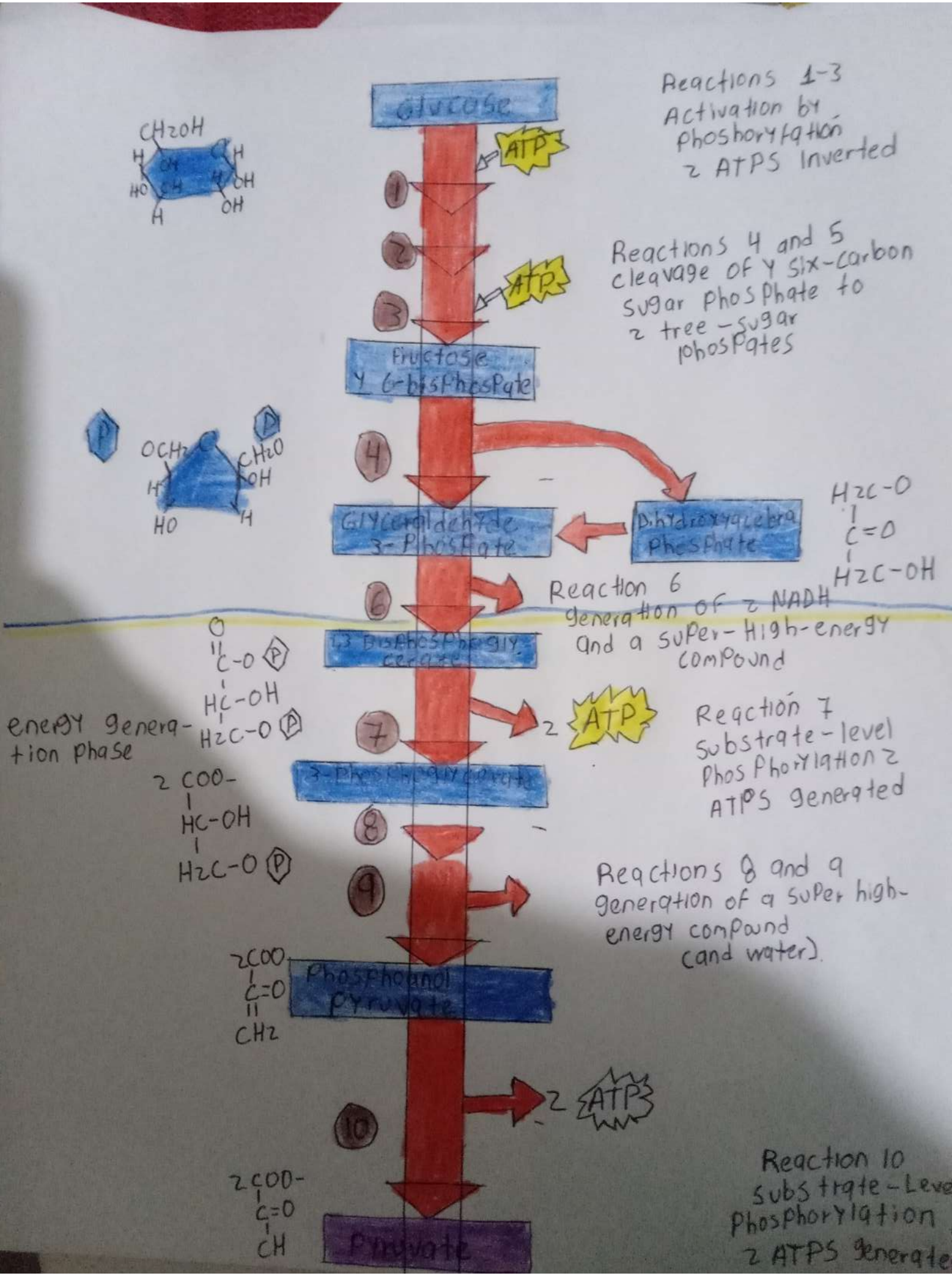
Nombre del Alumno: Joahan Aldanny Reyes Pérez

Nombre del tema: Rutas metabólicas

Nombre de la Materia: Bioquímica

Nombre del profesor: Abel Estrada Dichi

Cuatrimestre: 1°


Glucose
ATP
1
2
ATP
3
Fructose 1,6-bisphosphate
4
Glyceraldehyde 3-Phosphate
Dihydroxyacetone Phosphate
6
1,3 Bisphosphoglycerate
energy generation phase
7
2 ATP
3-Phosphoglycerate
8
9
Phosphoenol pyruvate
2 ATP
10
Pyruvate
Reactions 1-3
Activation by phosphorylation
2 ATPS Inverted
Reactions 4 and 5
cleavage of 1 six-carbon sugar phosphate to 2 tree-sugar phosphates
Reaction 6
generation of 2 NADH and a super-High-energy compound
Reaction 7
Substrate-level Phosphorylation 2 ATPS generated
Reactions 8 and 9
generation of a super high-energy compound (and water)
Reaction 10
Substrate-Level Phosphorylation
2 ATPS generated