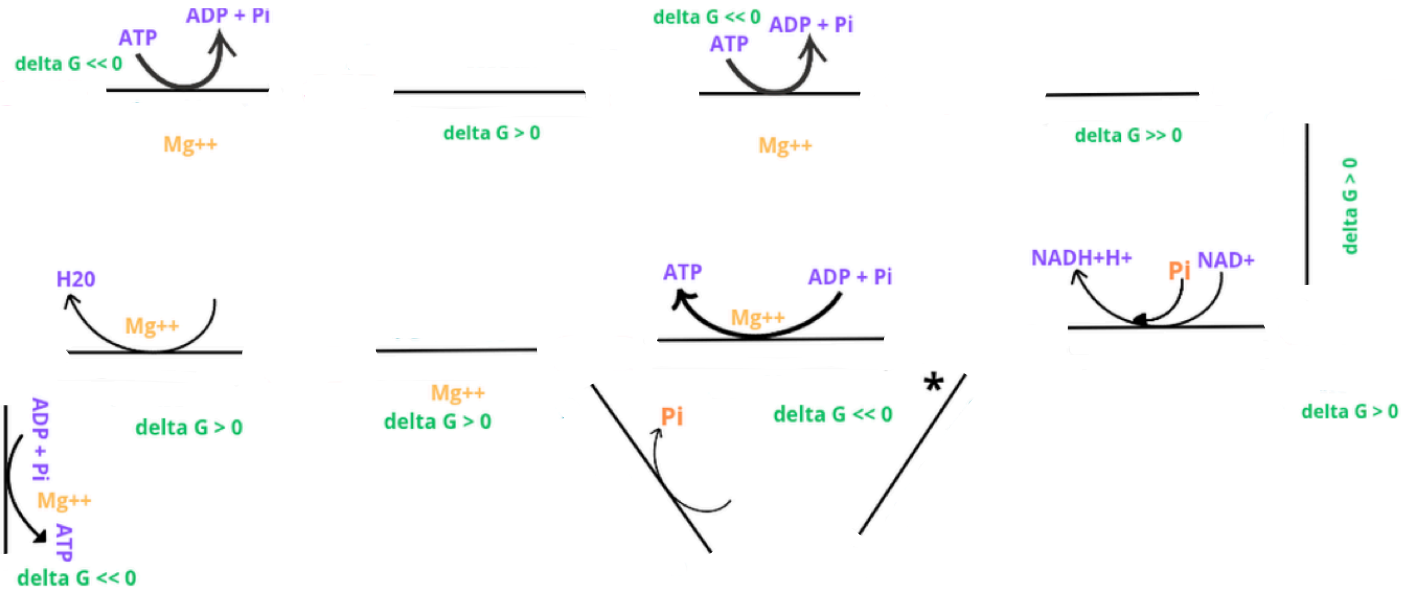
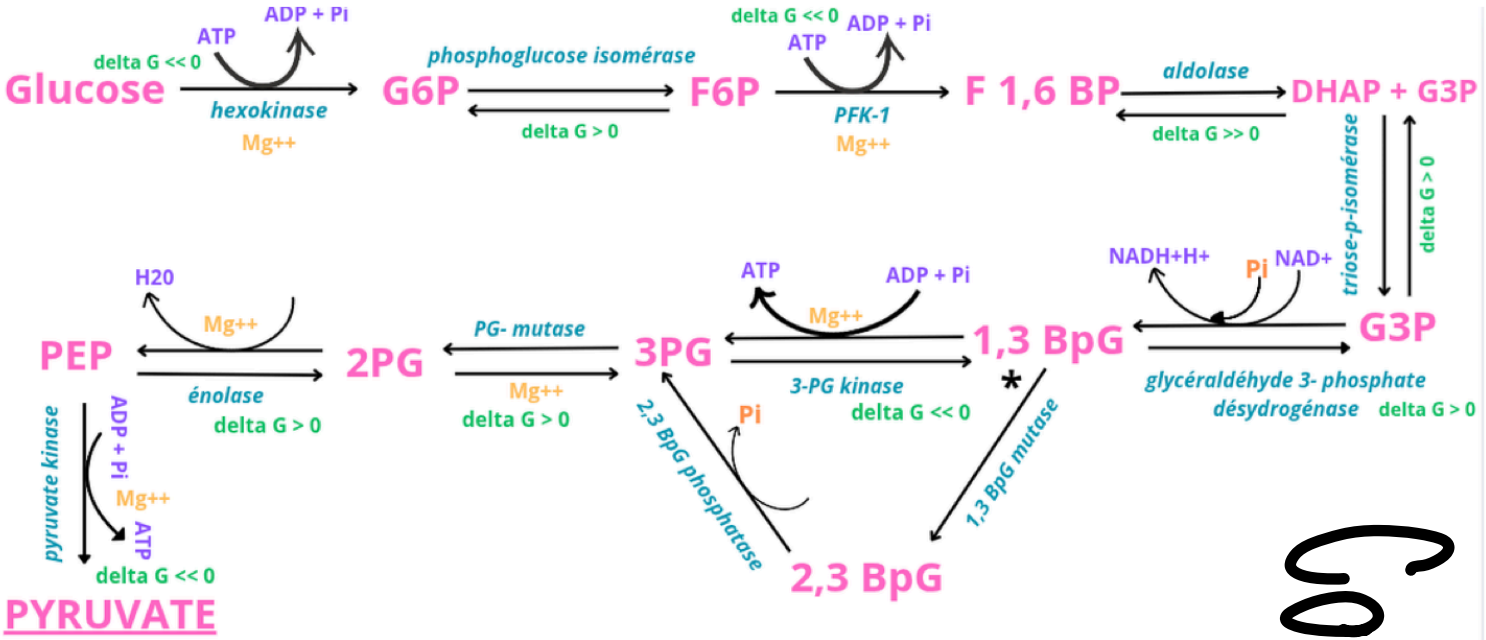
remplir les intermédiaires réactionnels et le sens des flèches (uni ou bidirectionnel)

Pareil + les enzymes



tout remplir


Glucose
ATP
ADP + Pi
delta G << 0
hexokinase
Mg++
G6P
phosphoglucose isomérase
delta G > 0
F6P
delta G << 0
ATP
ADP + Pi
PFK-1
Mg++
F 1,6 BP
aldolase
delta G >> 0
DHAP + G3P
triose-p-isomérase
delta G > 0
G3P
NADH+H+
Pi
NAD+
glycéraldéhyde 3- phosphate
désydrogénase
delta G > 0
1,3 BpG
ATP
ADP + Pi
Mg++
3-PG kinase
delta G << 0
*
3PG
PG- mutase
Mg++
delta G > 0
2PG
H20
Mg++
énolase
delta G > 0
PEP
pyruvate kinase
ADP + Pi
Mg++
ATP
delta G << 0
PYRUVATE
2,3 BpG phosphatase
Pi
2,3 BpG
1,3 BpG mutase

Correction