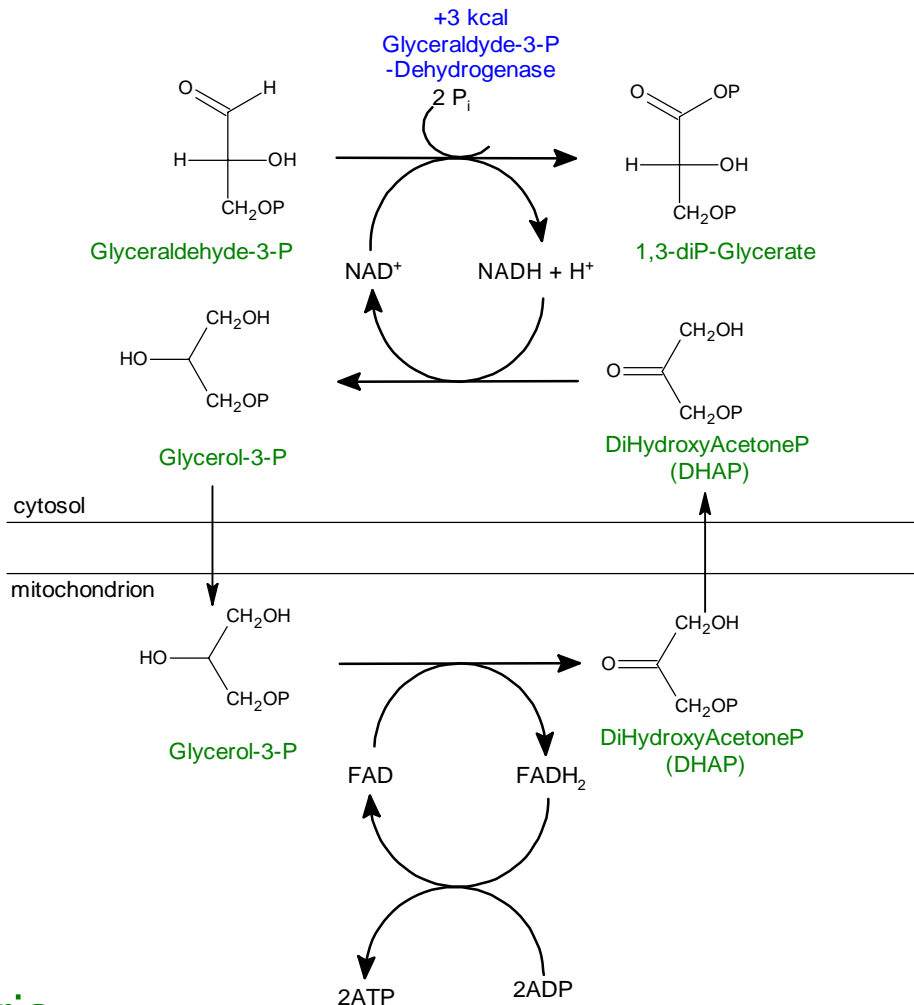


Coupling and Counting ATP

Eukaryotes

<u>Pathway/Enzyme</u>	<u>Location</u>
Glycolysis/Gluconeogenesis (liver)	Cytoplasm
Krebs/TCA	Mitochondrion
Glyoxalate	Mitochondrion
Pyruvate Carboxylase	Mitochondrion
PEP Carboxy Kinase	Cytoplasm / LIVER ONLY
Oxidative Phosphorilation	Mitochondrion

NADH in mitochondrion = 3 ATP
 FADH₂ in mitochondrion = 2 ATP
 LINKED
 NADH in cytoplasm = 2 ATP



Bacteria

NADH = 3 ATP
 FADH₂ = 2 ATP