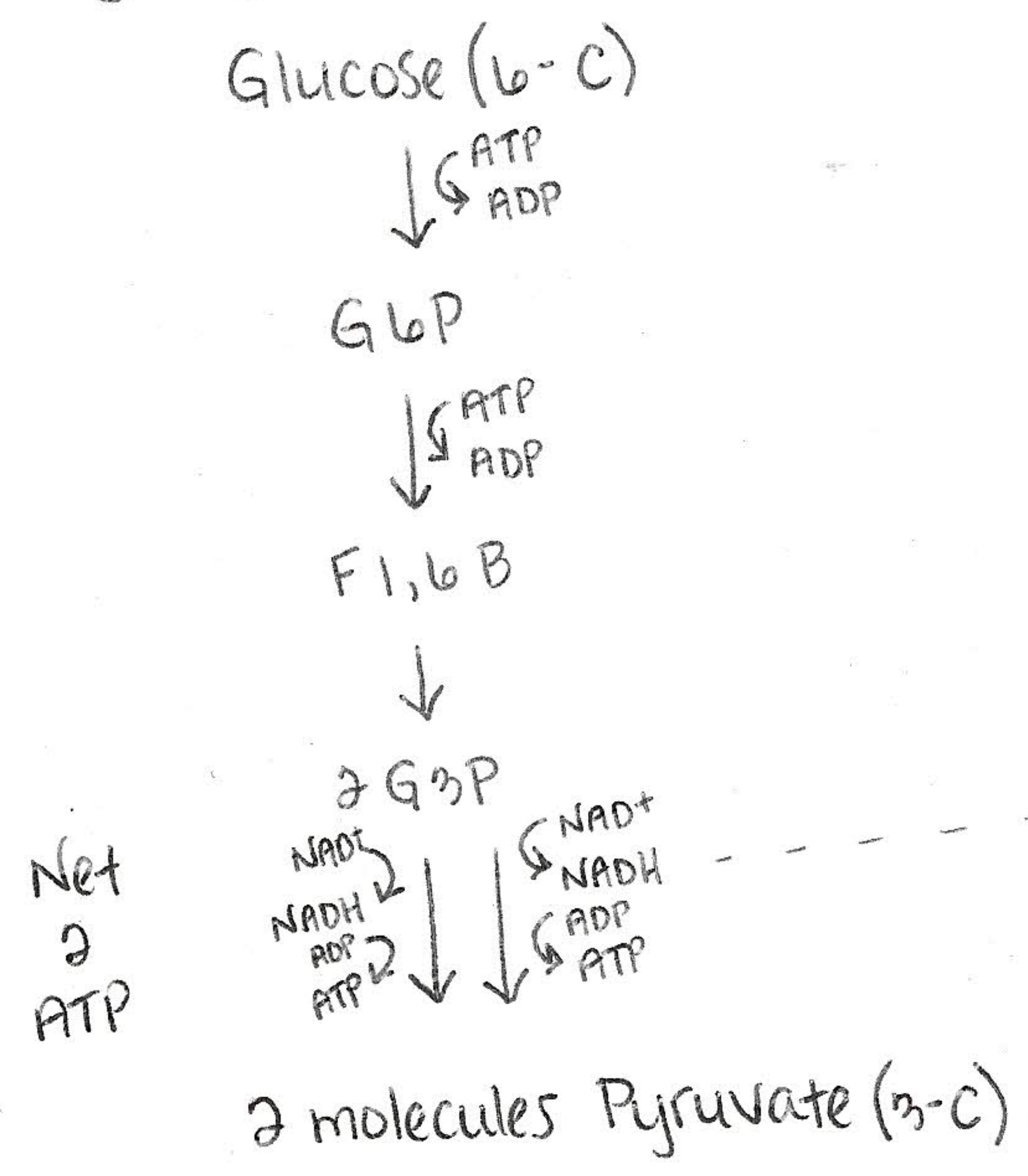
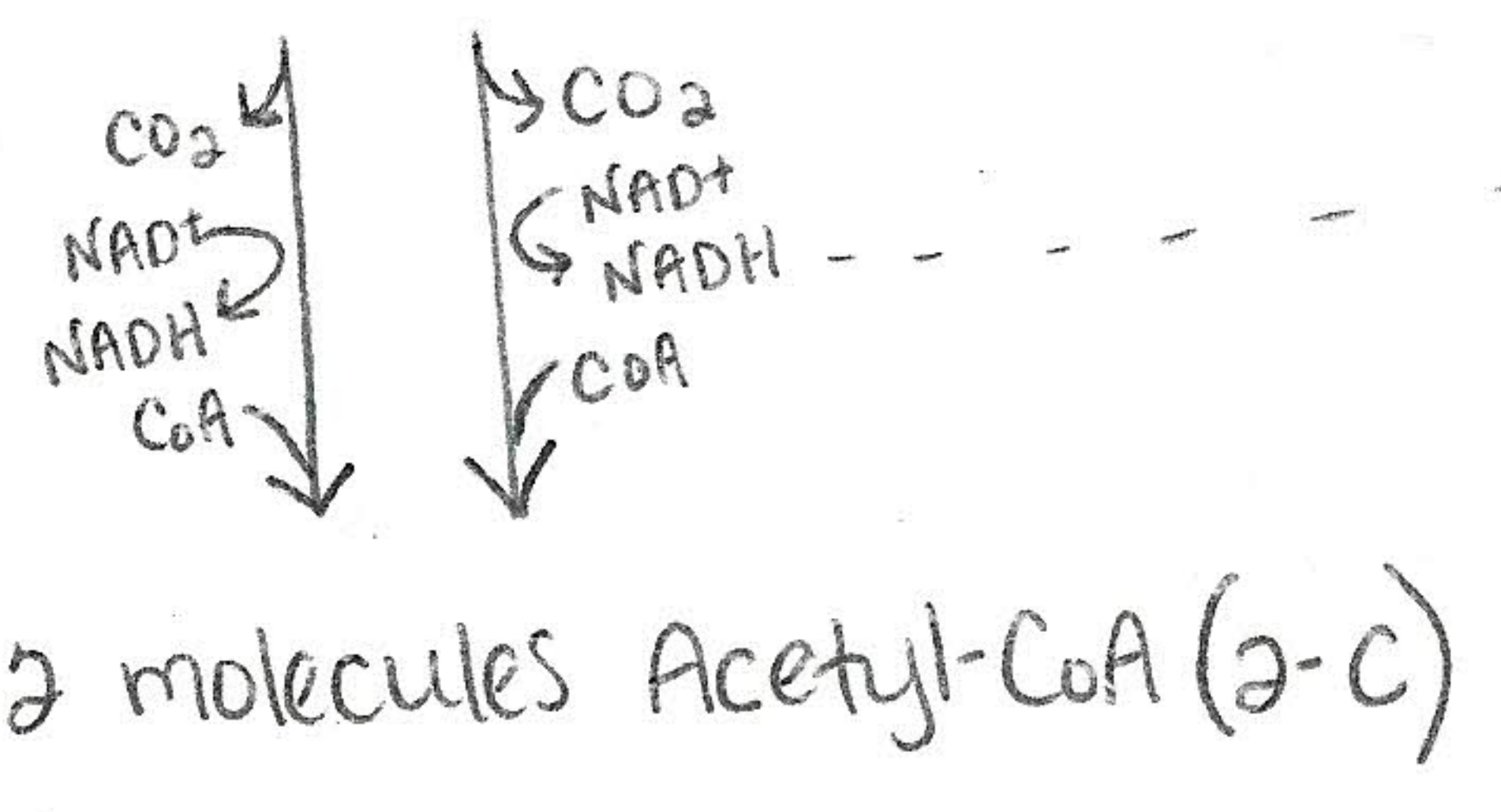


# Aerobic Cellular Respiration

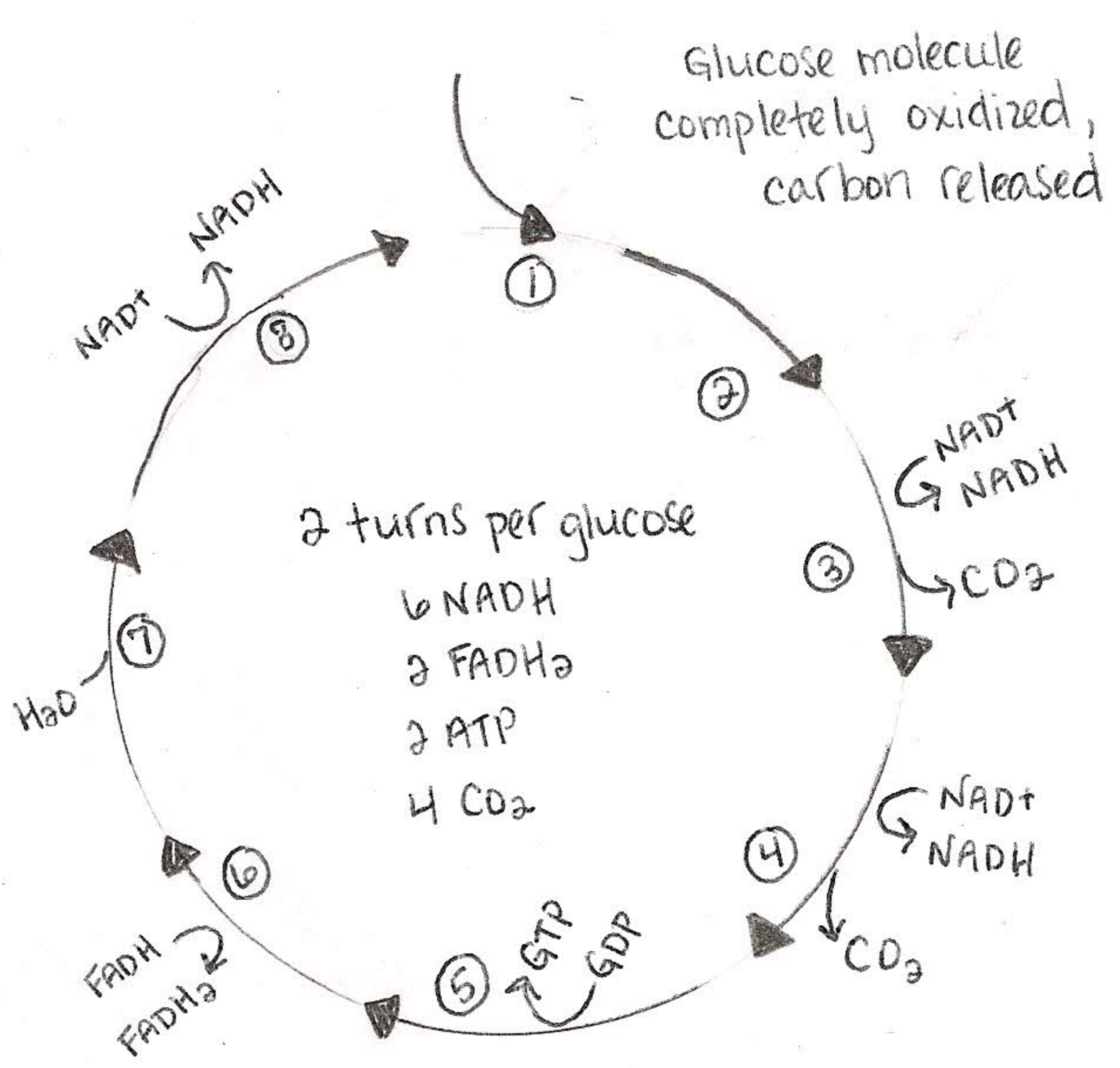
**1** Glycolysis - 10 steps, occurs in cytosol



**2** Pyruvate Oxidation (pyruvate moves into mitochondria)

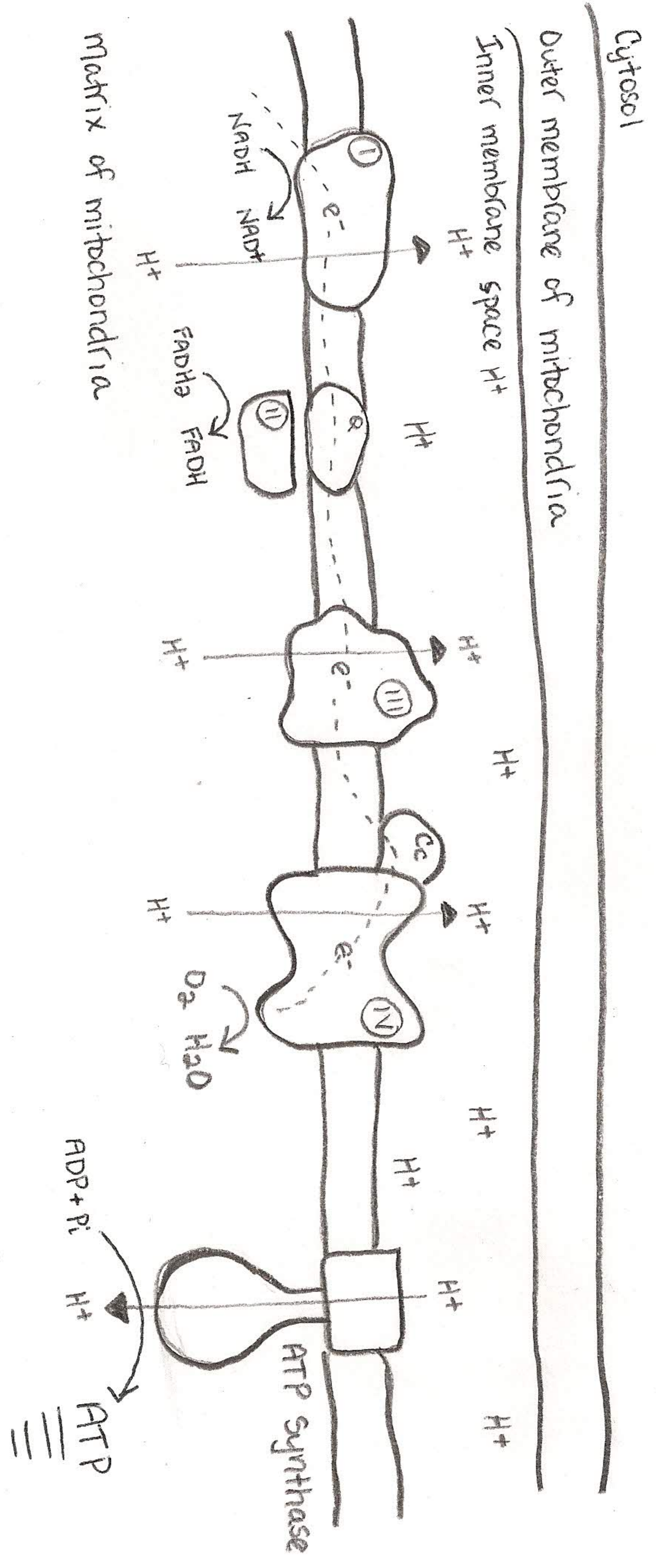


**3** Citric Acid Cycle - mitochondrial matrix; acetyl group combines w/ oxaloacetate to form citrate



**4** Oxidative Phosphorylation - electron carriers are oxidized (e<sup>-</sup> enter electron transport chain), protons are pumped into inner membrane space creating gradient that drives phosphorylation of ADP to ATP

All electron carriers move to electron transport chain



Capers '12