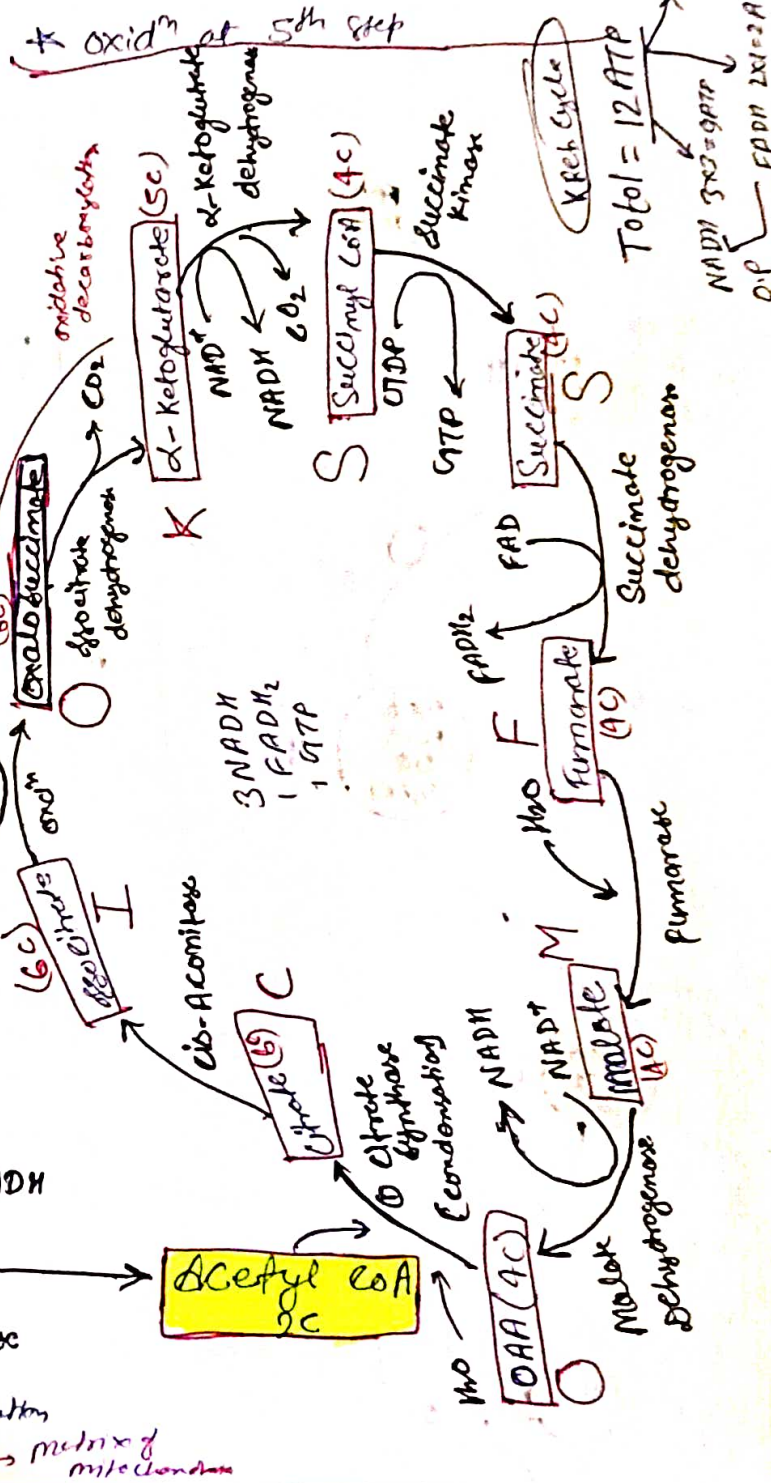
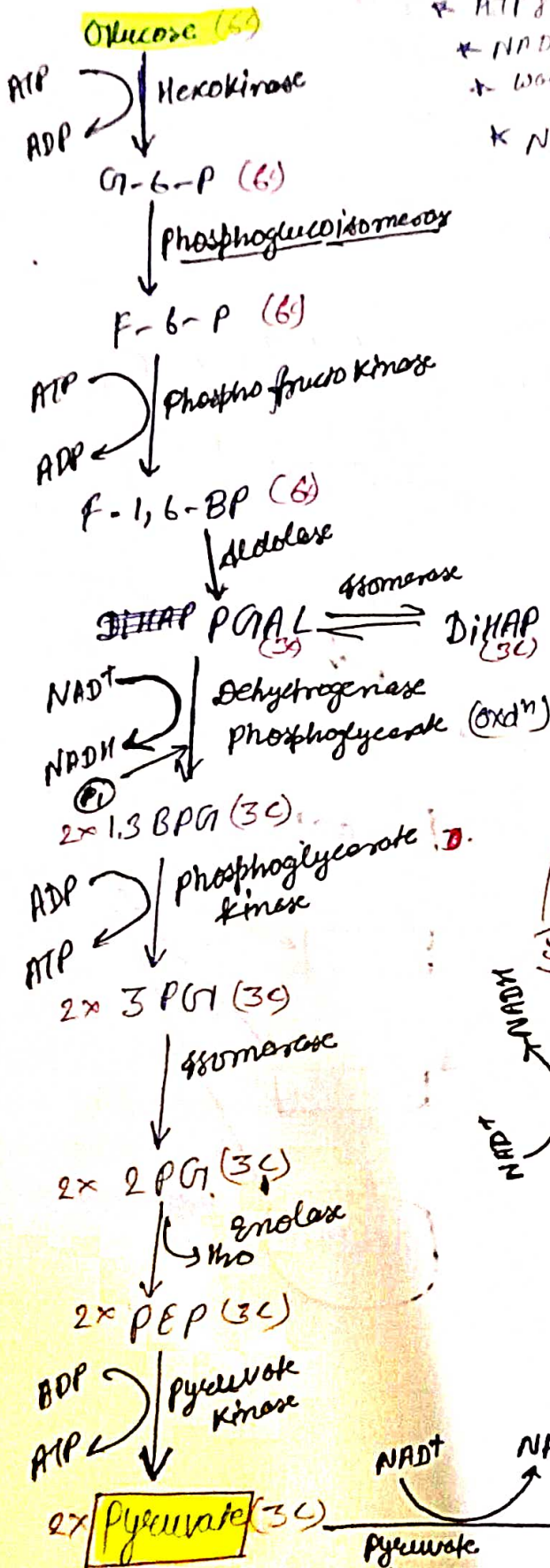


① Glycolysis

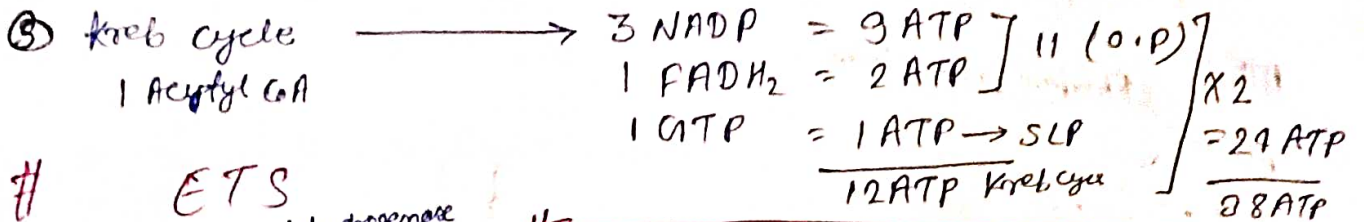
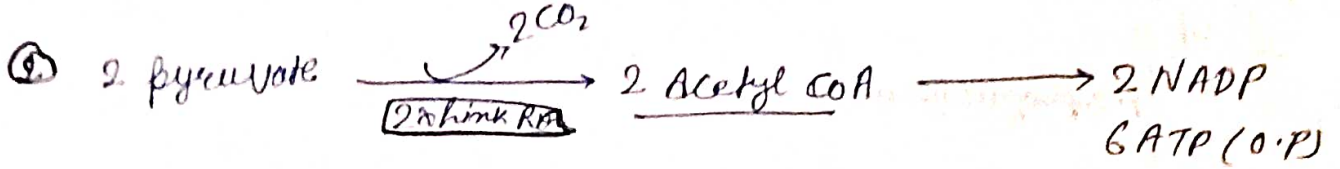
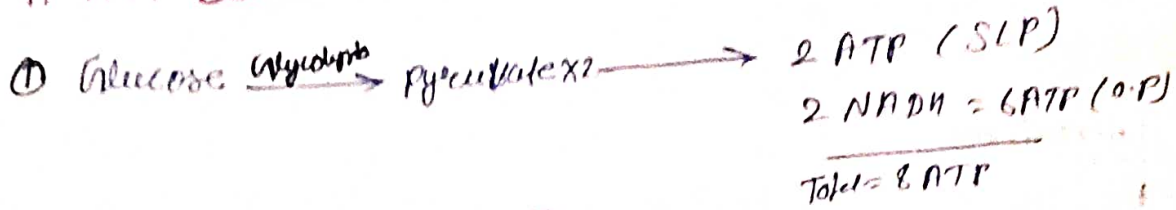
for which ATP — 10 ATP (glycolysis) + 4 from Krebs (3 steps)
 2, 5, 8th
 * ATP use — 1, 3
 * ATP form — 7, 10th
 * NADPH form — 6th
 * Water release — 9th
 * 1, 3, 10 — irreversible step (3rd step main control)
 ↓
 phosphofructokinase
 * Net ATP = 2 (SLP)
 NADH = 2 — 3rd = 2

Total ATP = 8
 oxidative phosphorylation
 mitochondria
 6 ATP
 2 ATP SLP



2 NADH = 3 x 2 = 6 ATP
 Link R₂H → matrix of mitochondria

① # ATP Balance sheet



ETS

