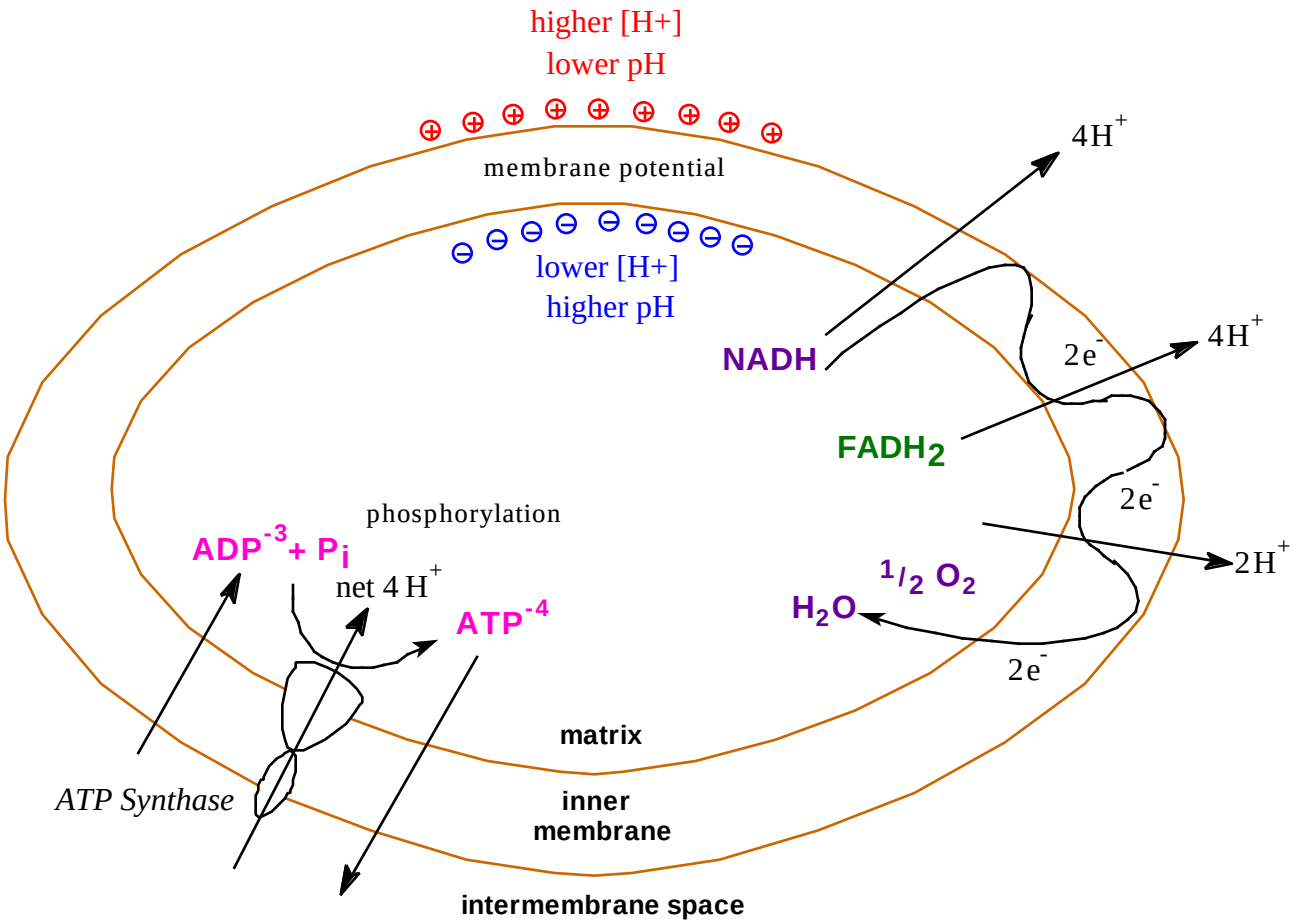
CHEMIOSMOTIC COUPLING ACROSS MITOCHONDRIAL INNER MEMBRANE



$$H^+ \text{ (out)} \longrightarrow H^+ \text{ (in)}$$

$$\Delta G = RT \ln \frac{[H^+]_{in}}{[H^+]_{out}} + Z_i F \Delta\Psi$$

- 2.0 kcal/mol -3.2 kcal/mol

$\Delta\Psi$ = -140 mV

$\frac{[H^+]_{in}}{[H^+]_{out}} = 0.04$

T = 310 K