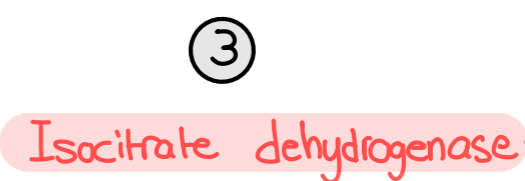
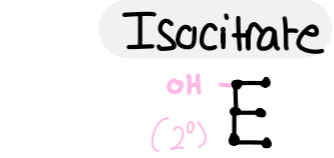


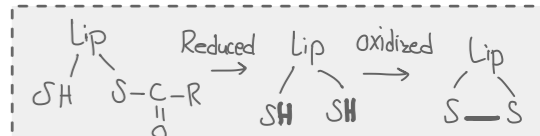
- \rightarrow Citrate Synthase \ominus
- \rightarrow phosphofructokinase \ominus
- \rightarrow FA Synthesis (cytoplasm) \oplus



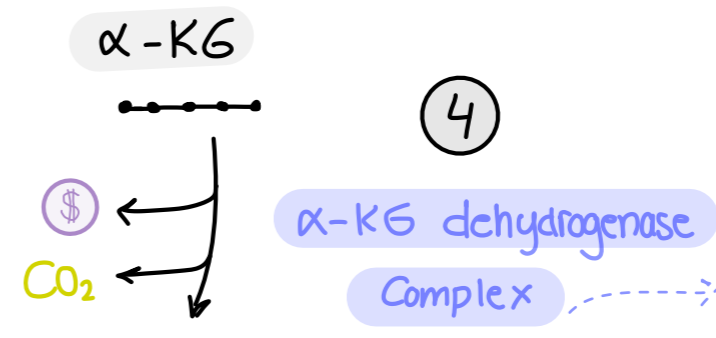
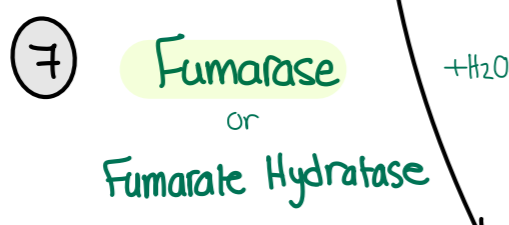
- \ominus fluoracetate (rat poison)



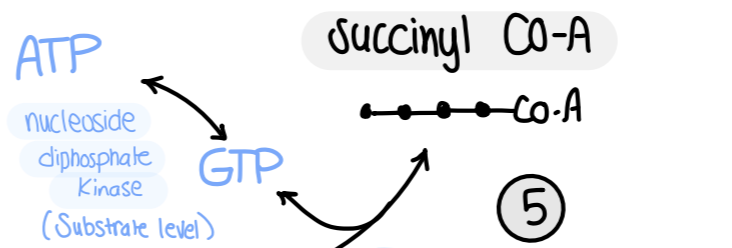
- \uparrow ADP, \downarrow ATP
- \uparrow Ca^{+2}
- \uparrow NADH



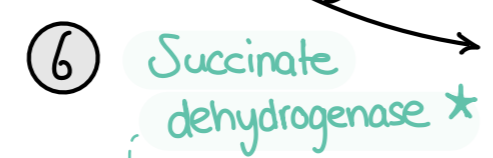
- Alcohol \rightarrow Keto
- $\Delta G^\circ = + \rightarrow$ Coupled with step 1 (\uparrow exergonic)



- TLCFN
- $E_1 \rightarrow$ decarboxylase (TPP) "covalently"
 - $E_2 \rightarrow$ Transacetylase (Co-A) (Lipoic A)
 - $E_3 \rightarrow$ dehydrogenase (FAD) \downarrow NADH



Cleaves Thioester bond



- \rightarrow FADH_2 : Succinate Reducing power isn't sufficient
- \rightarrow Only enzyme in the mitochondrial inner membrane
- \rightarrow Complex II in ETC.

- FADH_2
- NADH

