

De Novo Synthesis of Fatty Acid.

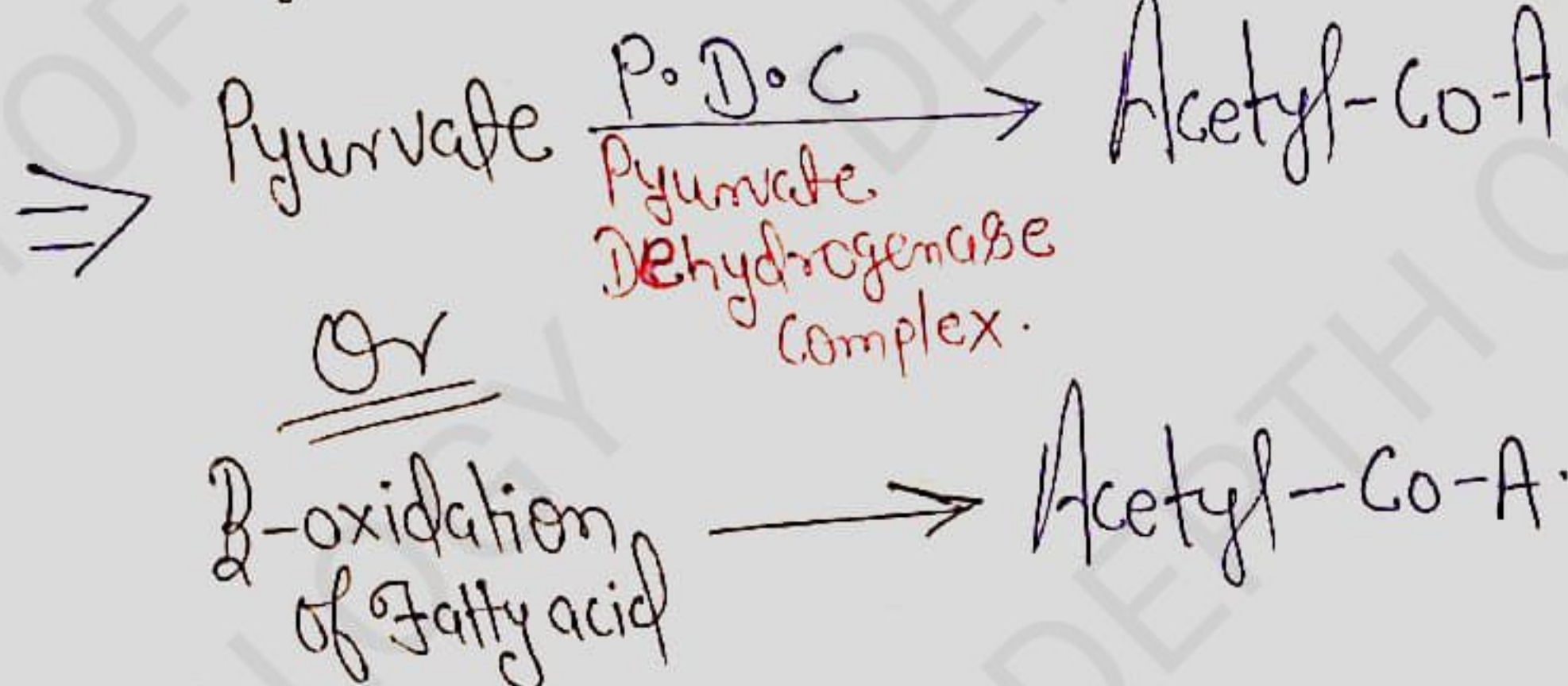
[Palmitic Acid] \rightarrow 16 Carbon.

Site \rightarrow Liver, Kidney, Lung

[DEPTH OF BIOLOGY]

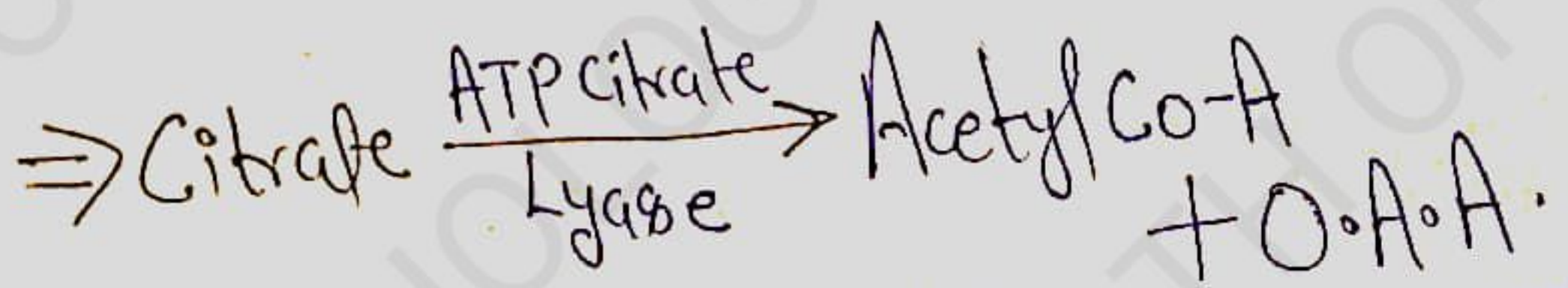
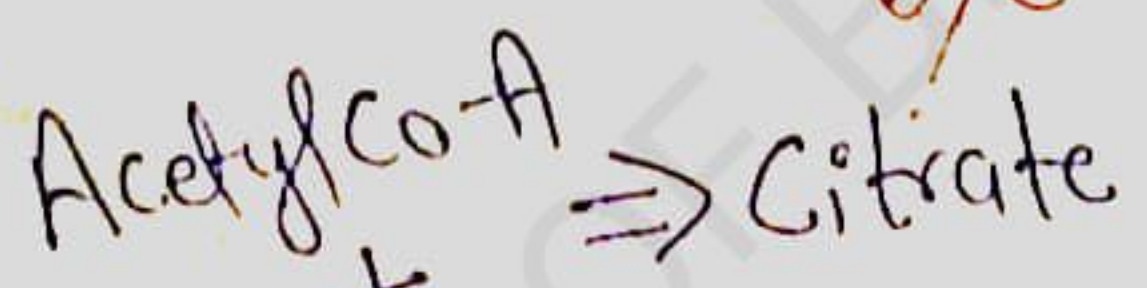
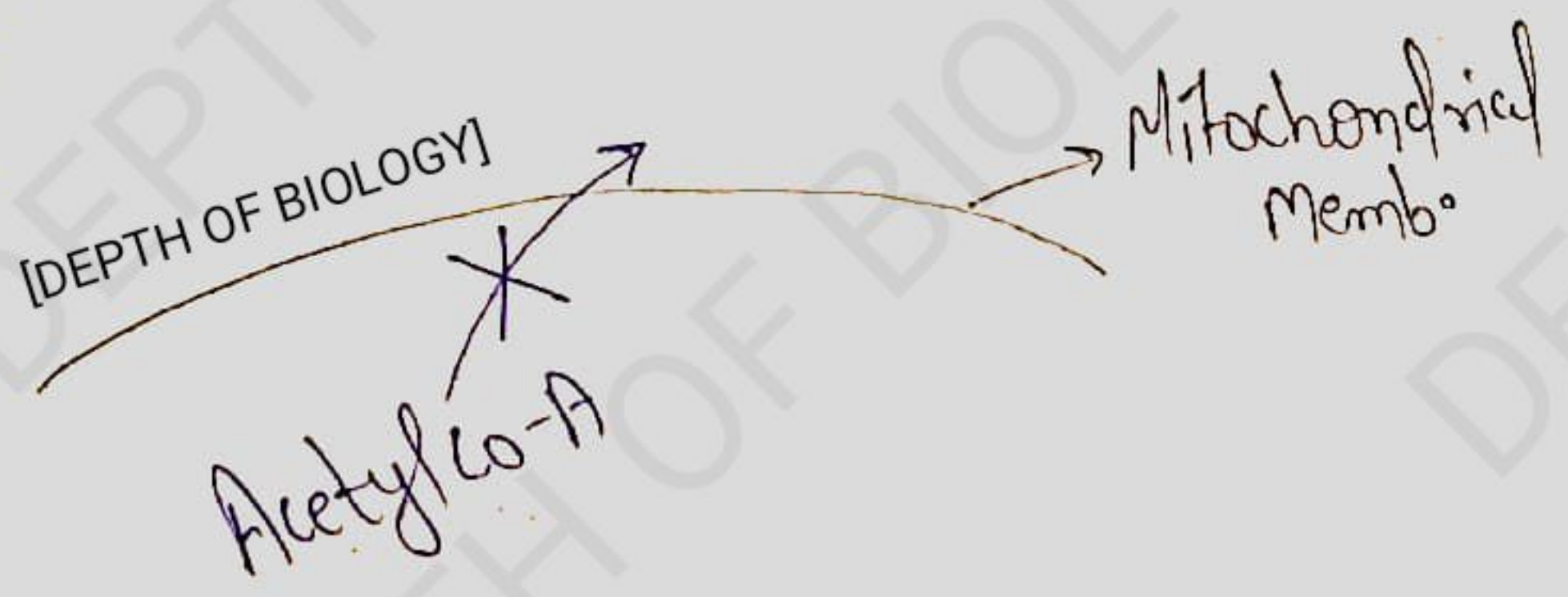
\Rightarrow De novo occurs in Cytosol.

[In Mitochondria]



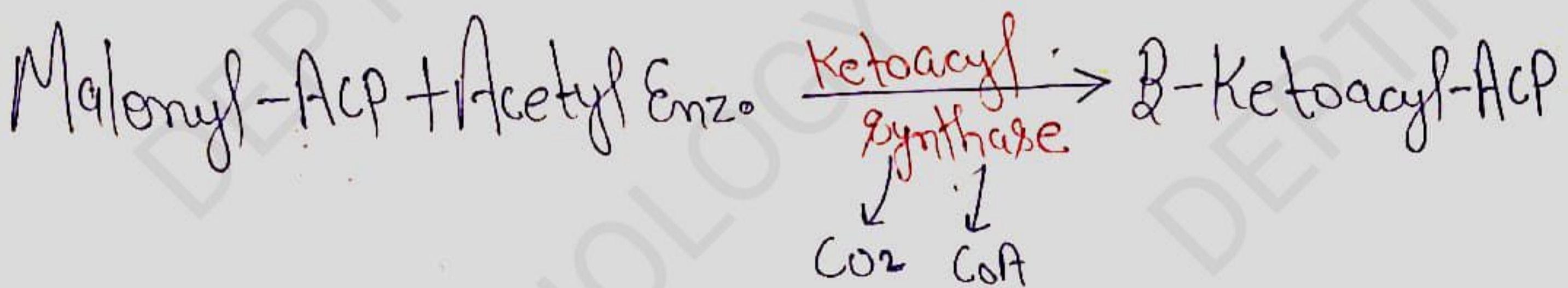
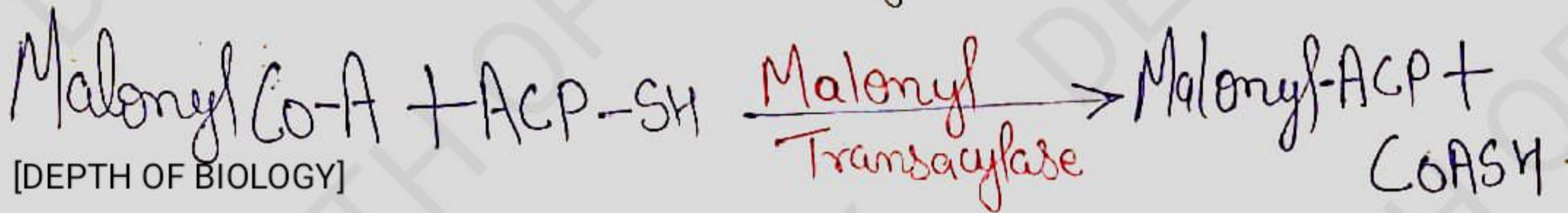
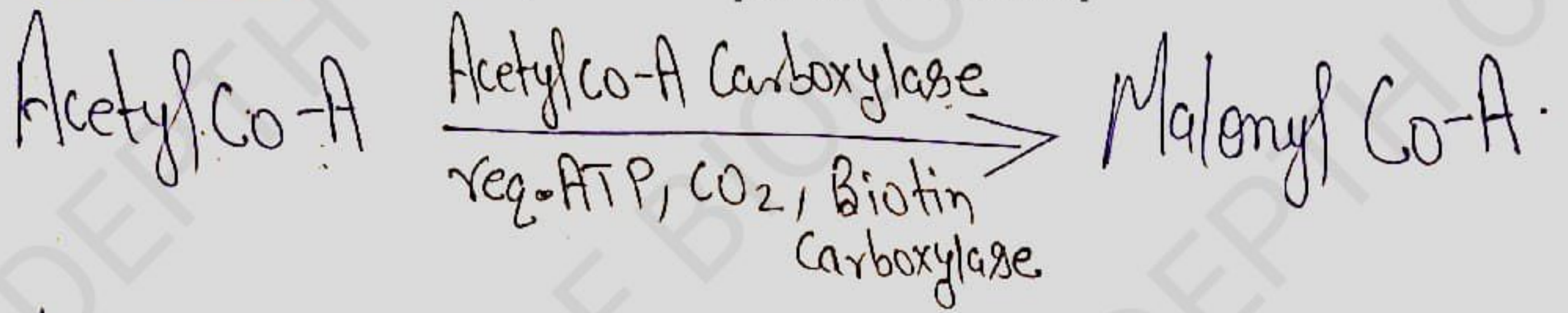
Acetyl Co-A \rightarrow Not Cross Mitochondrial Membrane.

\downarrow
So, it react with OAA.



Acetyl Co-A (In cytoplasm).

Activation of Acetyl Co-A \Rightarrow [DEPTH OF BIOLOGY]



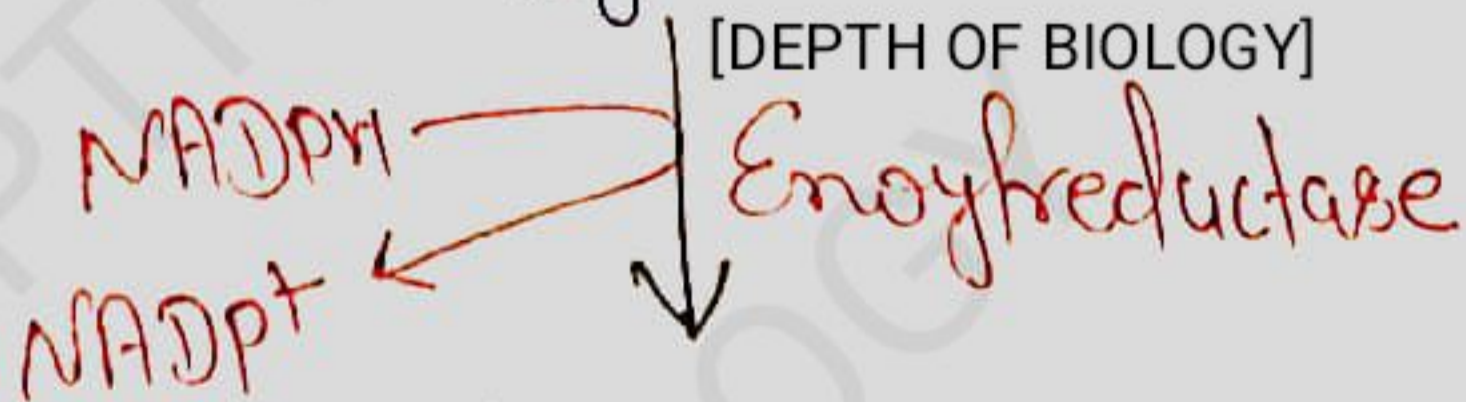
β -Ketoacyl-ACP.



β -Hydroxyacyl-ACP.



Enoyl-ACP



Butyryl ACP.



Palmitic (16C).