May 8

Things to really know about metabolism from 25.1

Stage 1:

2:

3:

4:

Niacin:
What would you expect the product to be?

\[
\begin{align*}
\text{Glyceraldehyde} & \xrightarrow{3\text{-phosphoglycerate dehydrogenase}} \\
\text{NAD}^+ & \xrightarrow{\text{NADH}} \\
\text{Isocitrate} & \xrightarrow{\text{Ketoglutarate}} \\
\end{align*}
\]
Cat = gate out.

Animal require

Stage 1: Digestion -> cat fat CHO Protein

2. Pyruvate -> acetyl-CoA enter citric acid cycle.
   (Glycolysis)

3. Citric Acid / Kreb 2 CO2 form.

4. Oxidative phosphorylation
   ATP synthase

\[ \text{H} \rightarrow \text{ATP} \]

Generated from

NADPH

Phospha
LSDCAvate

\[ \text{Alcohol} \quad \text{Dehydrogenase} \quad \text{Pro R-Hydrogen} \]

\[ \text{NAD}^+ \]

\[ \text{CD}_2 \text{ of Ketogulonate} \]