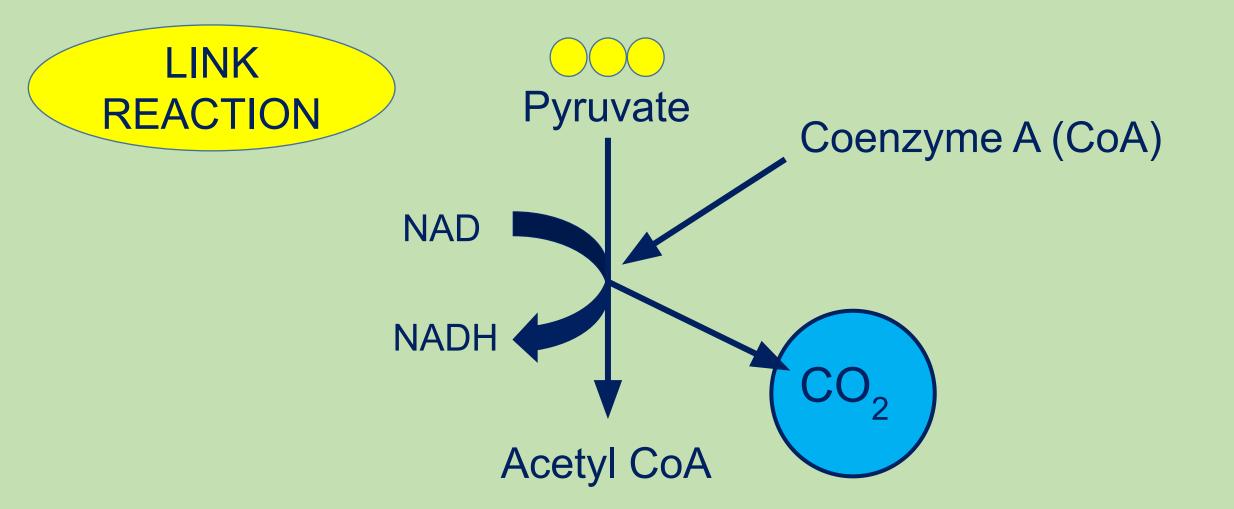
Aerobic respiration and the Krebs cycle

Learning objectives

• Be able to follow the flow of carbon and energy through the Krebs cycle

- Be able to reproduce the kerb cycle.
- Be able to describe the Krebs cycle as an oxidative process.



• Remember glycolysis produces 2 molecules of pyruvate per molecule of glucose.



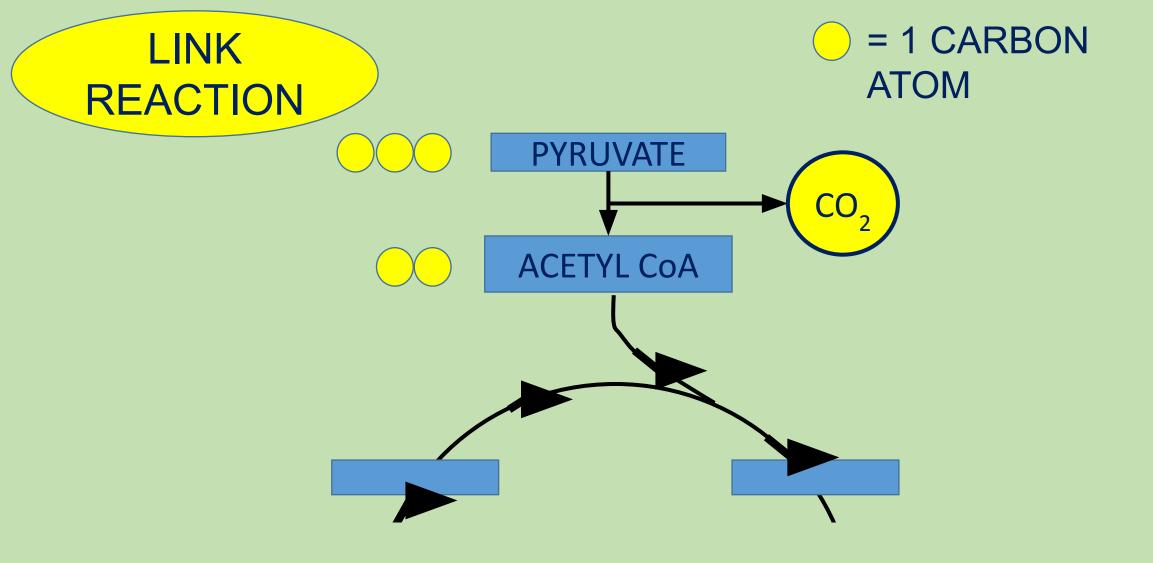
Input 2 pyruvate

2 NAD

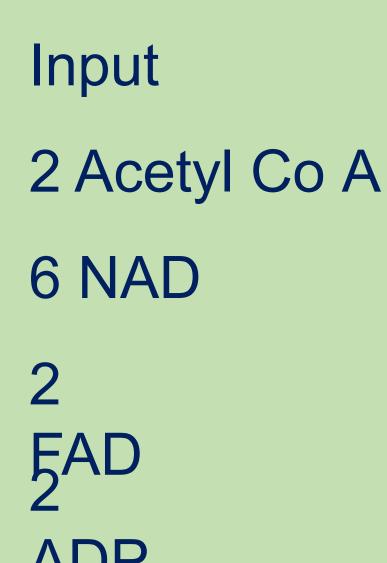


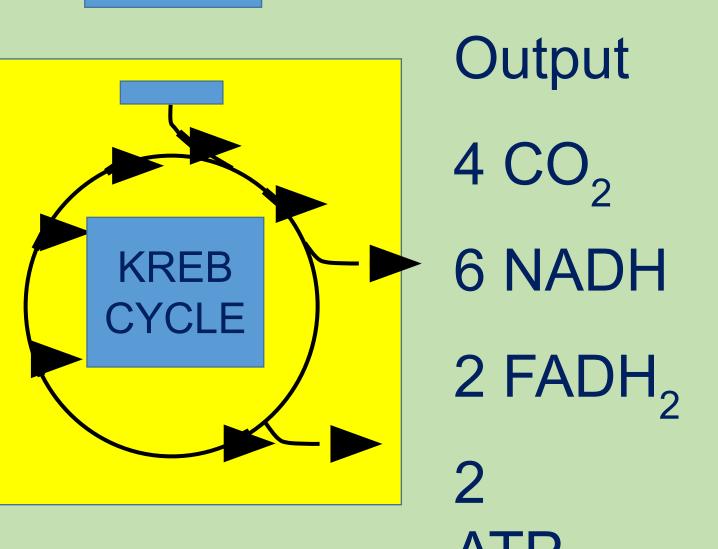
Output 2 Acetyl CoA 2 CO₂

2 NADH

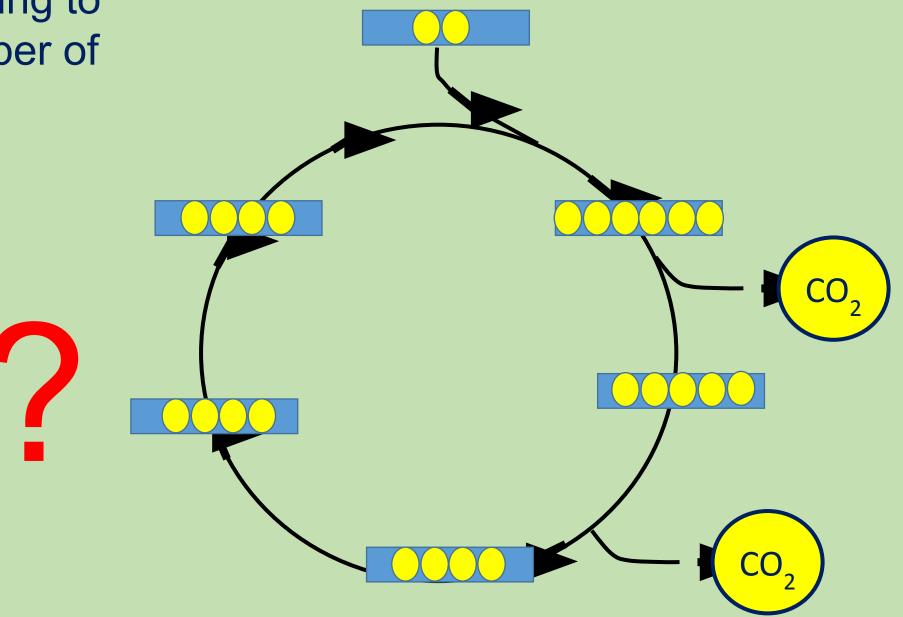




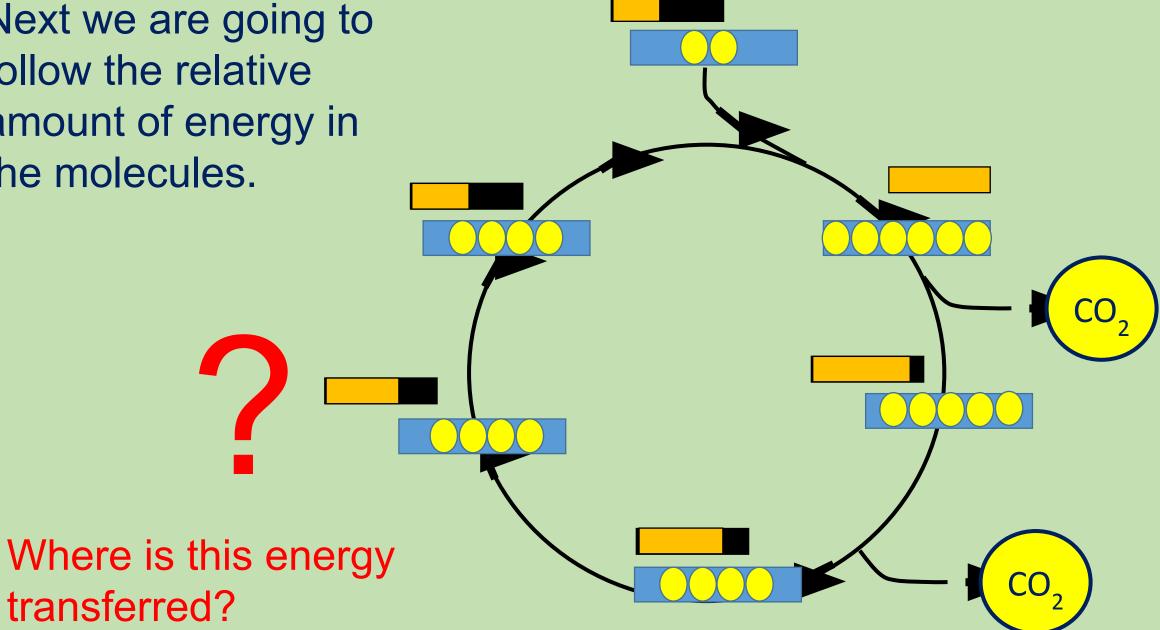




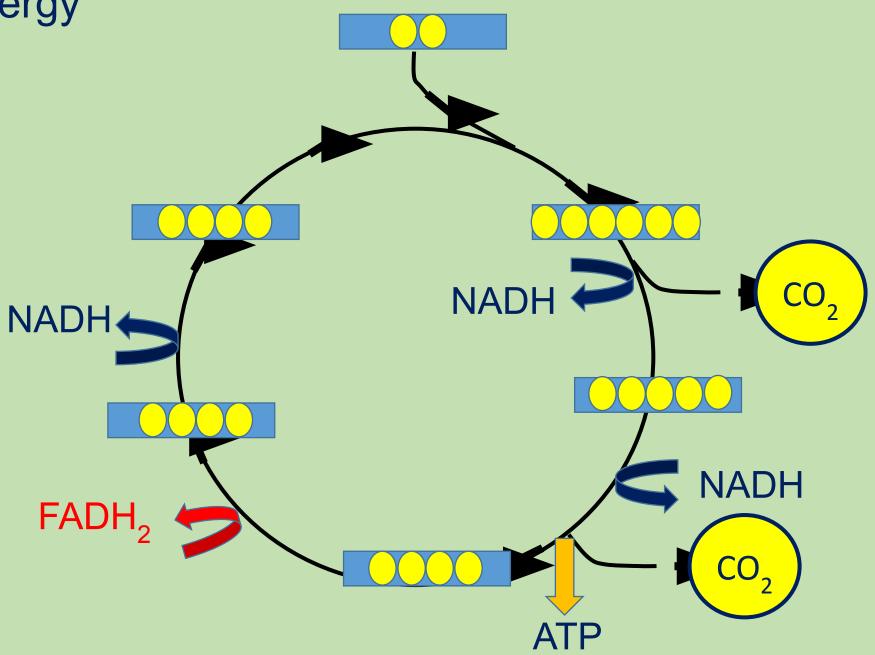
First we are going to follow the number of carbon atoms



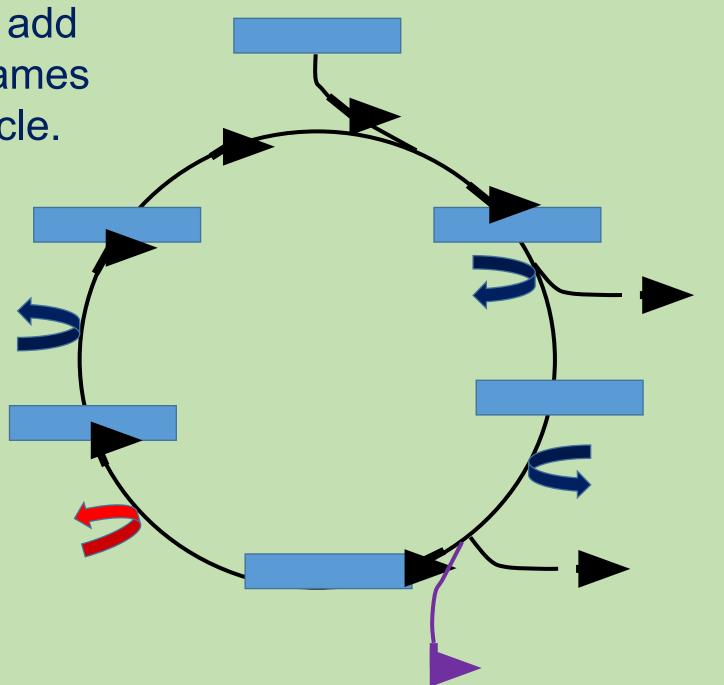
Next we are going to follow the relative amount of energy in the molecules.



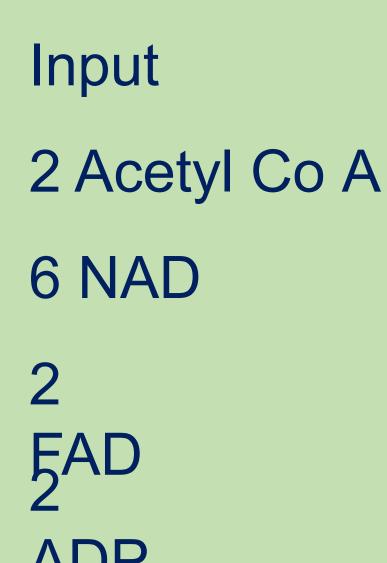
Where is this energy transferred?

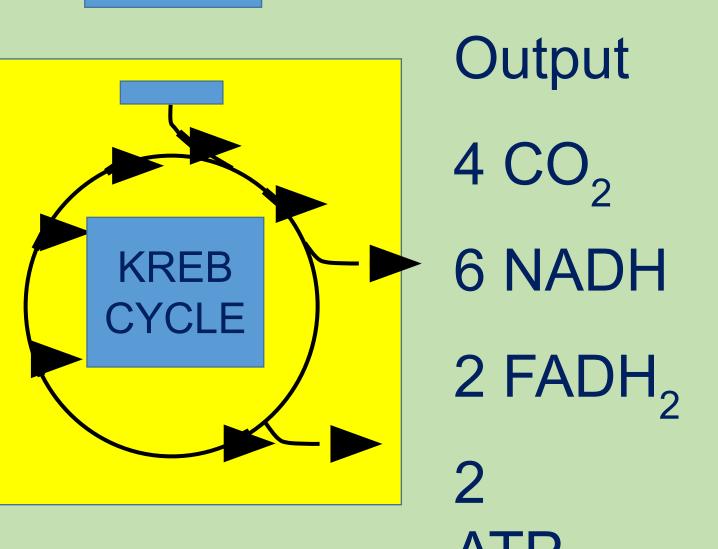


Finally can you add the chemical names of the Krebs cycle.









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