Cheatography

Stage 3 TCA Cycle/ Krebs Cycle Cheat Sheet by loboguy via cheatography.com/27609/cs/8143/

TCA Cycle/ Krebs Cycle

Located in the Mitochondrion matrix

Krebs Cycle Happens Twice For Every Glucose Molecule

Produces Reduced CoEnzymes and ATP

Steps 1

Acetyl CoA combines with 4C molecule

Forms 6C Citrate

CoA goes back to Link Reaction

Step 2

6C Citrate converted to a 5C molecule

Decarboxlyated 1C= CO2

Dehydrogenation= hydrogen removed

Reduced NAD= NAD.2H

Step 3

5C molecule is converted into a 4C molecule

FAD coenyme goes to FAD.2H

NAD goes to NAD.2H

Some ATP is made

CoEnzymes

CoEnzymes work in cooperation with enzymes

By loboguy

Can be used many times over

Enzymes are biological Catalyst

Lower activation Energy

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Important Points

Remaining Carbon Atoms released as CO2

Large quantities of Reduced Co Enzymes

ATP produced

Summary			
Metabolic Pathway	Located in	Starts With	Ends with
TCA/Krebs cycle	Mitochondrion Matrix	2 x Acetyk CoA	4 CO2

Also Produced in Krebs Cycle

2 ATP

6 NAD.2H (CoEnzymes)

2 FAD.2H (CoEnzymes)

Image Krebs Cycle



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