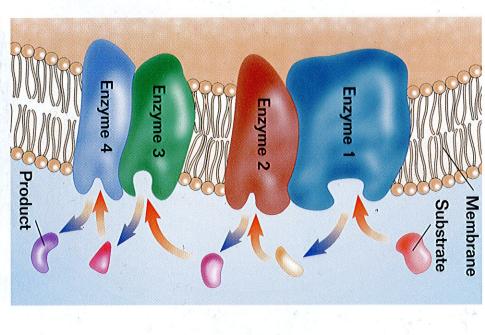


Her was to be an appropriate manuscript in the second

The encompanion of the control of th

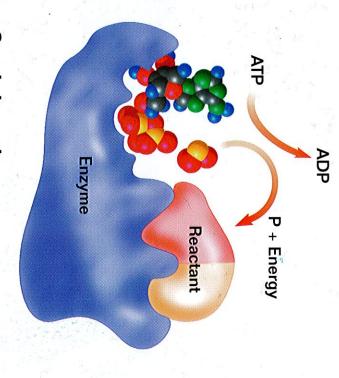
Biochemical Pathway and Coupled Reaction





Biochemical pathway

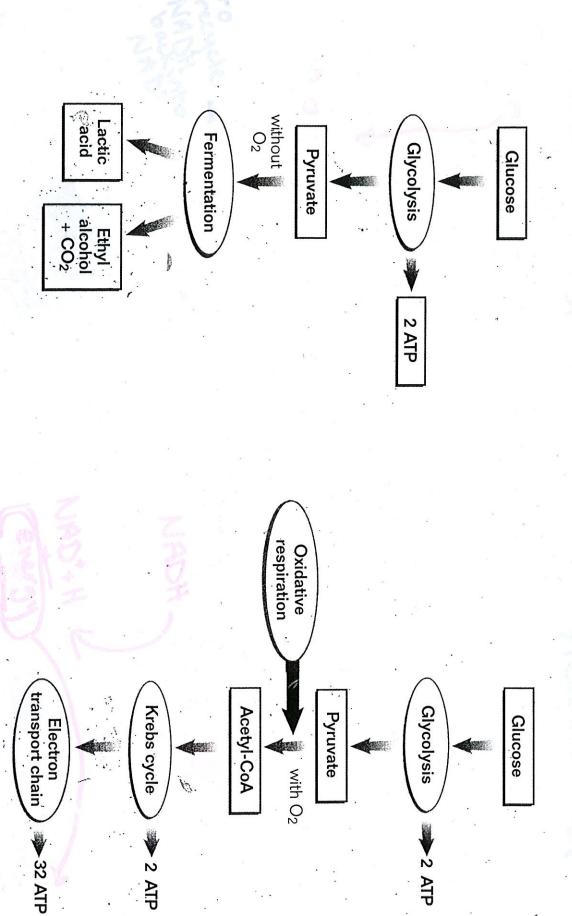
A biochemical pathway consists of a series of enzyme-catalyzed chemical reactions. The product of each reaction in a pathway becomes the reactant of the next reaction in the pathway.



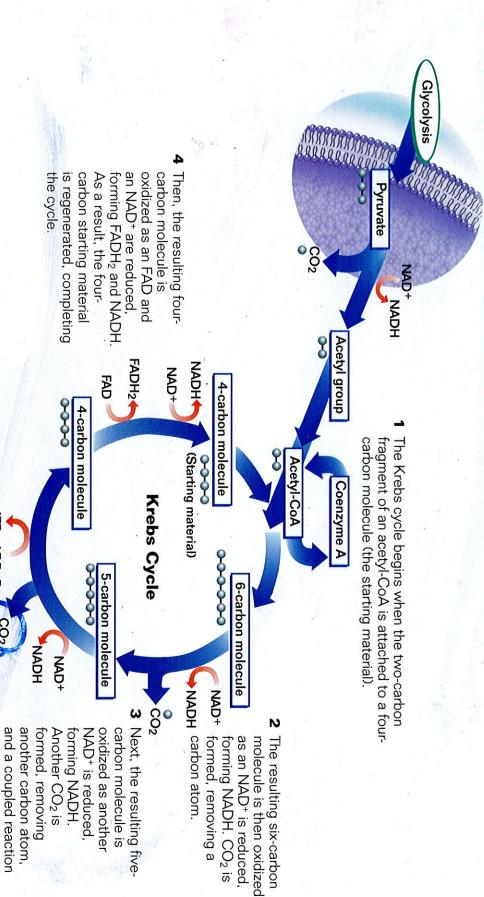
Coupled reaction

Coupling energy-requiring reactions with the splitting of ATP molecules is one of the key processes that help cells manage energy. The two parts of a coupled reaction (ATP-splitting and the endergonic reaction) take place in concert, separate parts of a single process.

111.7 1 12







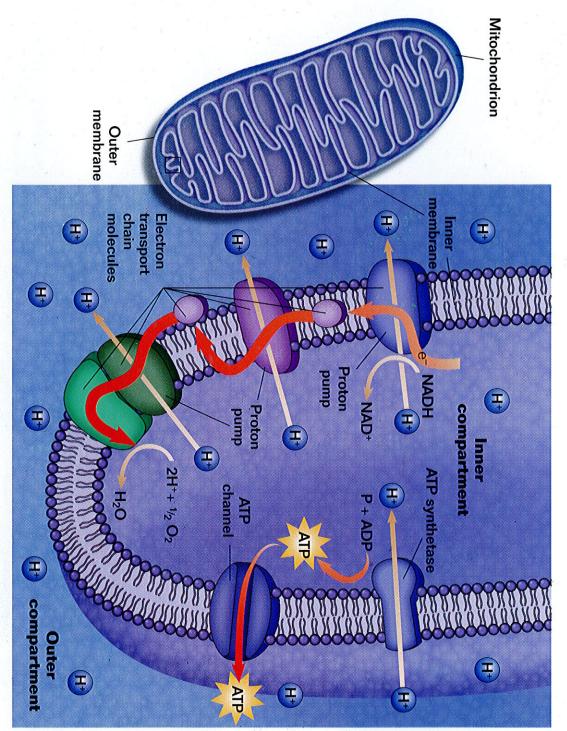
ATP ADP+P

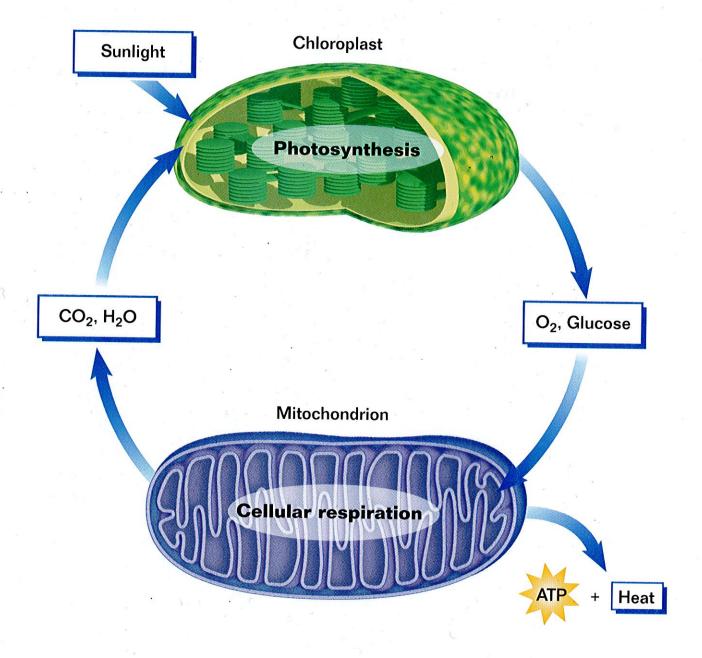
CO₂

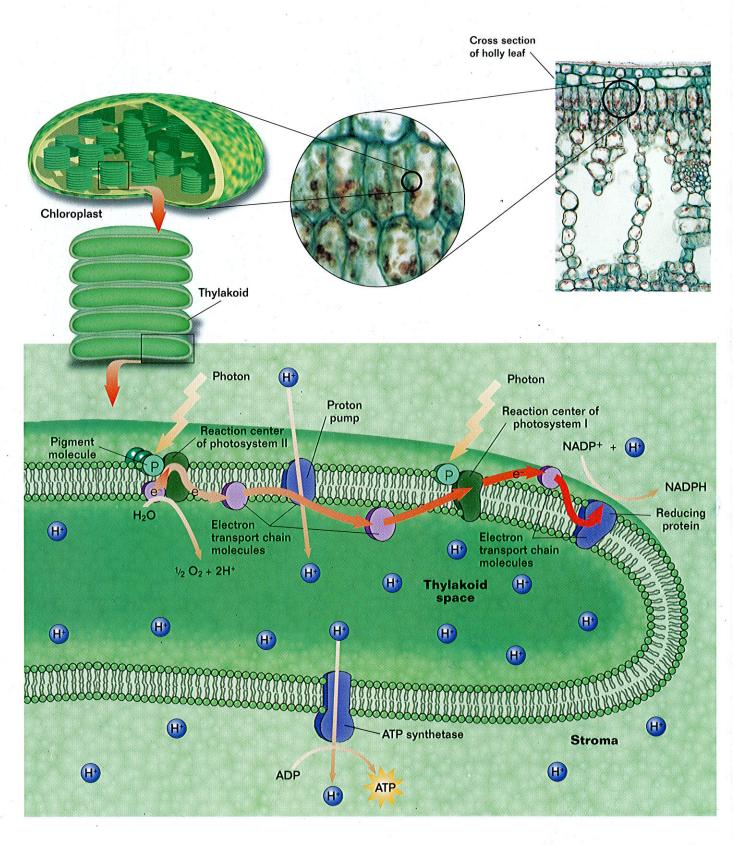
generates ATP from ADP and P.

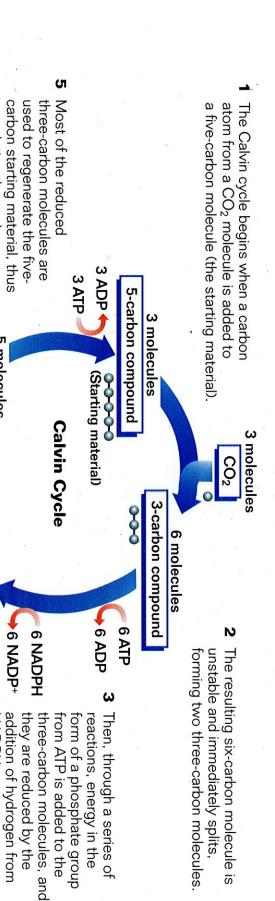


Electron Transport Chain in Mitochondria









completing the cycle.

3-carbon compound

3-carbon compound

9

6 molecules

5 molecules

1 molecule
1 molecule
3-carbon compound
3-carbon compound
sugar, or may be used to make other organic molecules

Glucose and other organic molecules