

* Rearrangement of chemical bonds absorbs or releases energy

Electrons $\approx$ batteries

ATP = gasoline of the cell



Glycolysis
Glucose cut (break up) $\xrightarrow{\text{turn into}}$ Pyruvate

Cyclical rxn = products of round 1 become the reactants of round 2

Phosphorylation

PO₄⁻ add on

NAD⁺ oxidized

NADH reduced

Oxidative Phosphorylation

lose electrons, adding phosphate (energy releasing), (energy requiring)

Electron Transport Chain, Chemiosmosis