

BIO-ENERGETICS

Life, Living Organism

Energy conversion, Reactions.

"The branch of biology which deals with the energy conversions during chemical processes in a living body".

• Laws of thermodynamics to be followed

→ 1st Law

→ 2nd Law

→ 3rd Law

• Energy can never be created nor destroyed, but can be converted from one form to another.

PHOTOSYNTHESIS

→ Anabolic Reactions
(Endergonic)

RESPIRATION

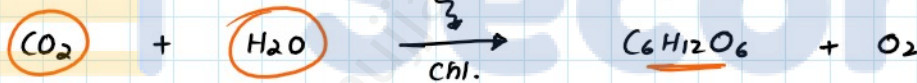
→ Catabolic Reaction
(Exergonic)

ATP



• Source of Energy → Sunlight

PHOTOSYNTHESIS



Smaller

larger

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