In What Forms Does Energy Exist?

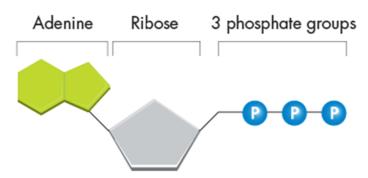
Light, Heat, Electricity, Chemical Compounds

The process of organisms obtaining and using energy is...

Cellular Respiration

# Organisms use a special form of chemical energy!

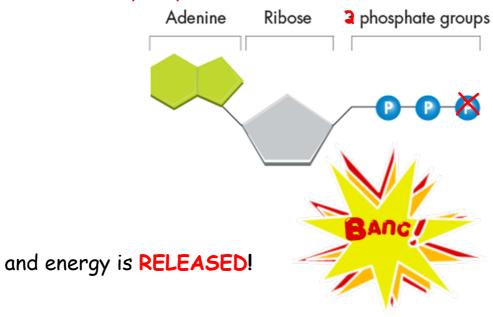
# Adenosine Triphosphate (ATP)



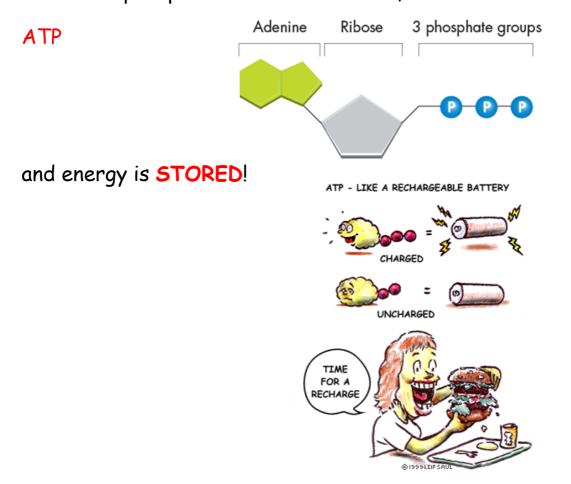
ATP has stored energy within the phosphate bonds

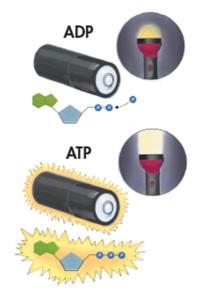
When the phosphate bond is broken, ATP becomes.....

#### Adenosine Diphosphate (ADP)



When the phosphate bond is reformed, ADP becomes.....





ADP has some energy, but not enough to provide the energy we need

When it becomes ATP, usable energy is added!

This cycle powers our CELLS!