

ATP as the energy currency of the cell

Adenosine triphosphate

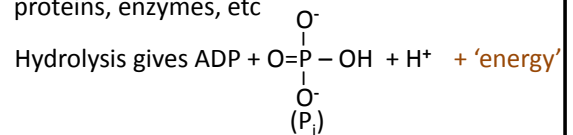


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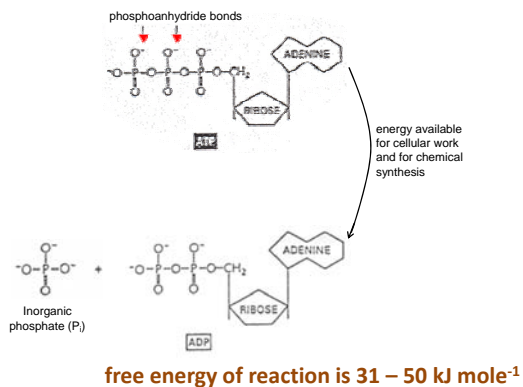
Adenosine triphosphate



- Chemically stable at pH 6-9
- Structural features recognised by specific proteins, enzymes, etc

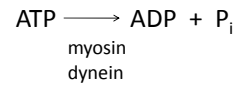


Breakdown of ATP to ADP



Functions of ATP

- Used directly in cell motility and contraction



- Used in Na^+ / K^+ pumps, active transport systems & metabolic control



Functions of ATP

- Used in metabolism to add P_i to metabolic intermediates

