Chemical Reactions

III. Reaction Energy



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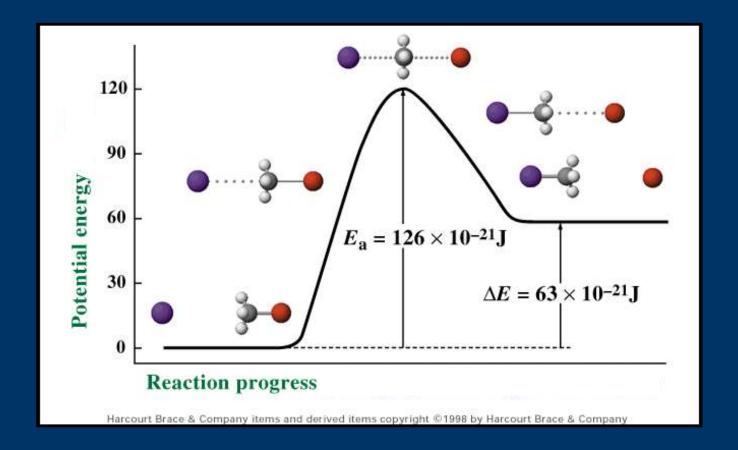






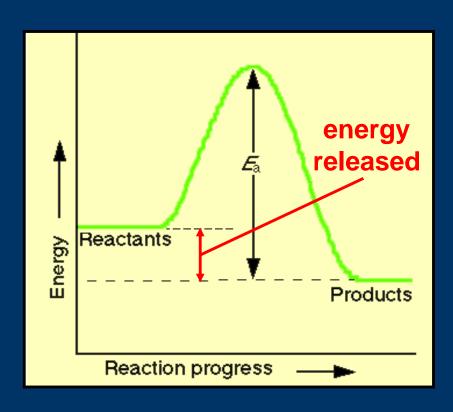
A. Reaction Pathway

Shows the change in energy during a chemical reaction



B. Exothermic Reaction

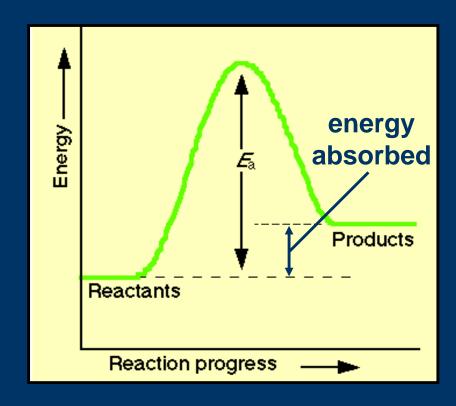
- reaction that releases energy
- products have lower PE than reactants



$$2H_2(l) + O_2(l) \rightarrow 2H_2O(g) + energy$$

C. Endothermic Reaction

- reaction that absorbs energy
- reactants have lower PE than products



 $2Al_2O_3 + energy \rightarrow 4Al + 3O_2$