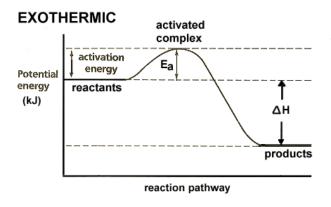
Exothermic and Endothermic Reactions

Exothermic Reaction

- A chemical reaction in which energy is released into the environment
 - Combustion (burning)

Exothermic Reaction

The products have less energy than the reactants

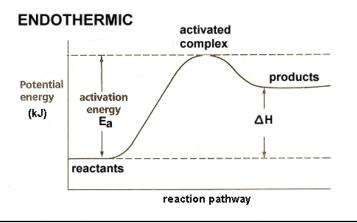


Endothermic Reaction

- A chemical reaction that absorbs (takes) energy from its surrounding and stores it in the products that form
 - Aluminum chloride dissolved in water

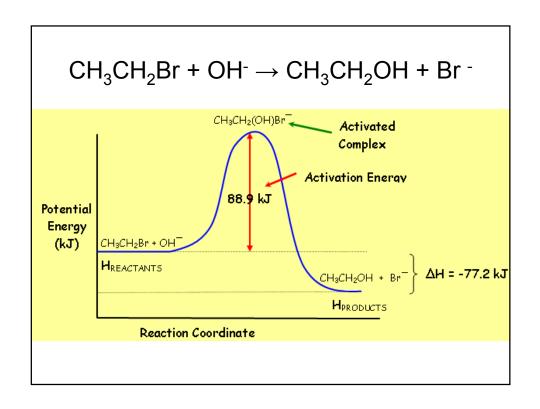
Endothermic Reaction

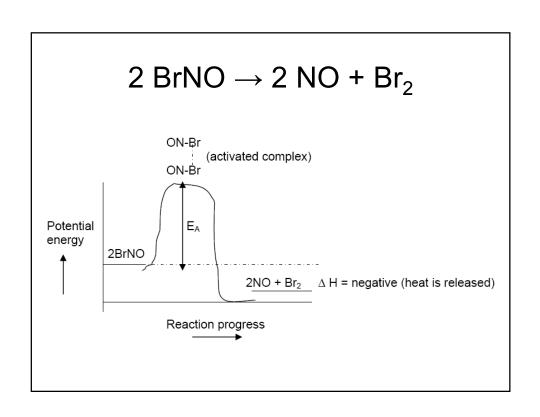
The products have more energy than the reactants



Enthalpy

- · Heat of a chemical reaction
 - How much heat is released (exothermic)
 - How much heat is absorbed (endothermic)





Relative Rates • We can use potential energy diagrams to describe if a reaction is fast or slow SLOW MEDIUM FAST

