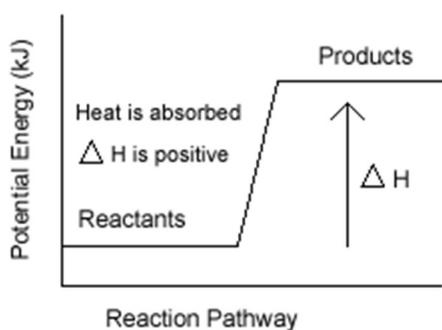


ENERGY FLOW

ENDOTHERMIC REACTION

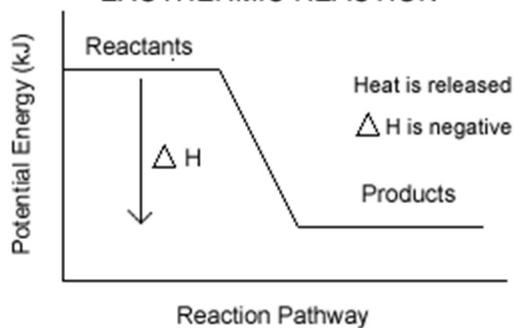


Endothermic Reactions

the reactants have less potential energy than do the products. Energy must be input in order to raise the particles up to the higher energy level.



EXOTHERMIC REACTION



Exothermic Reactions

the reactants have more potential energy than the products have. The extra energy is released to the surroundings.



Activation Energy " E_a "

-The Energy required to initiate a chemical reaction. Both endothermic and exothermic reactions require activation energy.