

# Chemistry Topic 5: Energy changes

1. Keywords	
Conservation of energy	Energy can not be created or destroyed just transferred from one for to another
Exothermic reaction	Reaction which releases heat to the surroundings. Causing an increase in temperature
Endothermic reaction	Reaction which absorbs heat from the surroundings. Causing a decrease in temperature

2. Reaction profiles			
1	Activation energy	5	Reaction progress
2	Reactants	6	Potential energy
3	Products	7	Energy absorbed
4	Energy released		

3. Energy changes of reactions (HT ONLY)			
Reaction type	Temperature change	Amount of energy absorbed to break bonds	Amount of energy released when making new bonds
Exothermic	Increases	Less	More
Endothermic	Decreases	More	Less

