Year 10 Chemistry 5: Energy Changes Knowledge Organiser

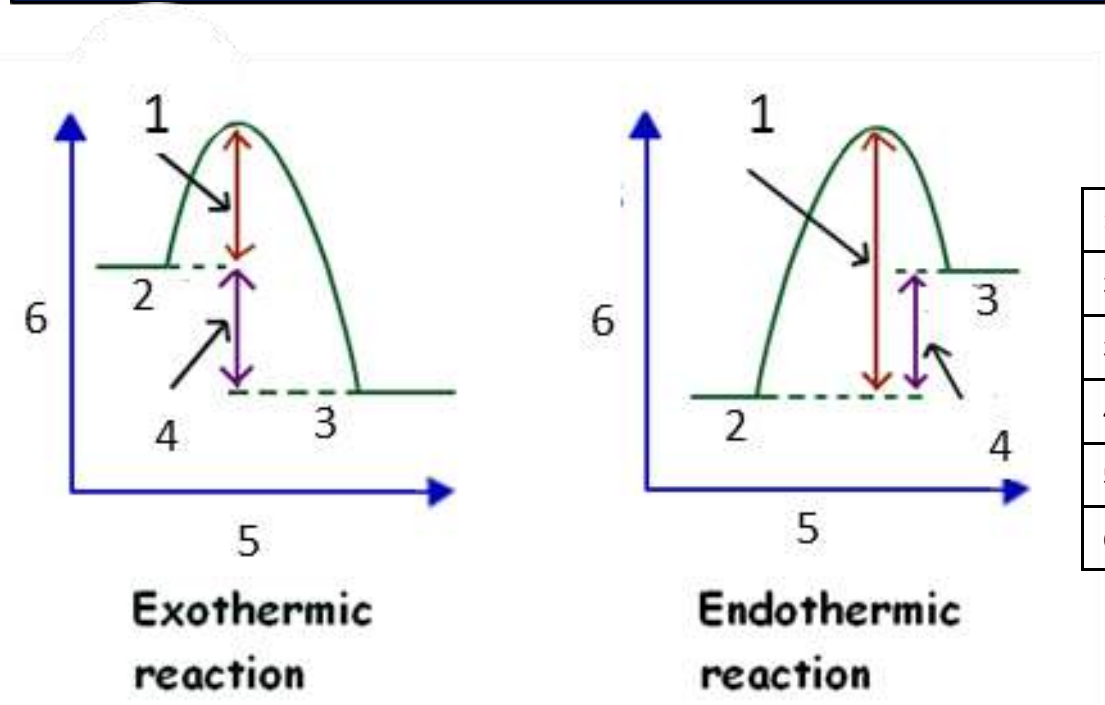
1. Keywords

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

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

2. Reaction profiles



1	Activation energy
2	Reactants
3	Products
4	Energy released
5	Reaction progress
6	Potential energy