

Y12 – Enthalpy Changes Checklist

Stick this checklist into your yellow book at the beginning of the topic. Tick off the topics as you cover them.		
In this module you are expected to be able to...	In Notes	Revised
<ul style="list-style-type: none"> • Define: <ul style="list-style-type: none"> ○ 'Exothermic reaction' and 'endothermic reaction' ○ Activation energy E_a ○ Enthalpy change ΔH ○ Standard enthalpy change of... <ul style="list-style-type: none"> ▪ Formation ▪ Combustion ▪ Neutralisation ○ Average bond enthalpy 		
<ul style="list-style-type: none"> • Draw and use enthalpy profile diagrams to calculate changes in enthalpy during a reaction, understanding the relationship between bond breaking/making and enthalpy change. 		
<ul style="list-style-type: none"> • State standard conditions and write equations for standard enthalpy changes. 		
<ul style="list-style-type: none"> • Explain how a simple calorimeter can be used to calculate the standard enthalpy change of a reaction using specific heat capacity. 		
<ul style="list-style-type: none"> • Use Hess' law to predict the enthalpy change of reactions. 		
<ul style="list-style-type: none"> • Use average bond enthalpy to predict the enthalpy change of reactions. 		

Pre-test Evaluation

I have...	
Updated my yellow book notes	
Ensured I understand all of my notes	
Looked on the open drive for additional work	
Asked my teacher for guidance	
Confidence rating	I'm doomed! -- - = + ++ I am the BOSS!