Edexcel iGCSE Chemistry Checklist

Section B14: Introducing Energy Changes in Reactions

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| ***I can***  | ☺ | 😐 | ☹ |
| understand that chemical reactions in which heat energy is given out are described as exothermic and those in which heat energy is taken in are endothermic |  |  |  |
| describe simple calorimetry experiments for reactions such as combustion, displacement, dissolving and neutralisation in which heat energy changes can be calculated from measured temperature changes |  |  |  |
| **calculate molar enthalpy change from heat energy change** |  |  |  |
| understand the use of ΔH to represent enthalpy change for exothermic and endothermic reactions |  |  |  |
| represent exothermic and endothermic reactions on a simple energy level diagram |  |  |  |
| understand that the breaking of bonds is endothermic and that the making of bonds is exothermic |  |  |  |
| **use average bond energies to calculate the enthalpy change during a simple chemical reaction.** |  |  |  |
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