Edexcel iGCSE Chemistry Checklist

Section E25: **Energy Calculations**

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| ***I can***  | ☺ | 😐 | ☹ |
| 4.10 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  |  |  |  |
| 4.11 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  |  |  |  |
| **4.12 calculate molar enthalpy change from heat energy change**  |  |  |  |
| 4.13 understand the use of ΔH to represent enthalpy change for exothermic and endothermic reactions  |  |  |  |
| 4.14 represent exothermic and endothermic reactions on a simple energy level diagram  |  |  |  |
| 4.15 understand that the breaking of bonds is endothermic and that the making of bonds is exothermic  |  |  |  |
| **4.16 use average bond energies to calculate the enthalpy change during a simple chemical reaction** |  |  |  |
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