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| Year 7: Chemistry | Physical and chemical changes | I can understand that a chemical reaction is the rearrangement of atoms in one or more substances |  |
| I can understand reactants make products in a chemical reaction |  |
| I can describe chemical reactions using word equations |  |
| I can compare chemical and physical changes |  |
| Combustion | I can use word and symbol equations to describe combustion. |  |
| I can explain how the products of combustion form. |  |
| I can compare complete and incomplete combustion. |  |
| I can describe how to test for water and carbon dioxide. |  |
| I can identify the conditions required for combustion to take place. |  |
| Salts and displacement | I can define displacement. |  |
| I can describe what a displacement reaction is. |  |
| I can give examples of displacement reactions. |  |
| I can predict the outcome of a displacement reaction. |  |
| Exothermic and endothermic reactions | I can describe exothermic and endothermic reactions. |  |
| I can construct a suitable results table to present my data. |  |
| I can collect data that is accurate, precise, repeatable & reproducible. |  |
| I can write word and symbol equations for the reactions covered. |  |
| I can define accurate, precise, repeatable, reproducible. |  |
| Decomposition | I can describe and define thermal decomposition. |  |
| I can describe the test for carbon dioxide. |  |
| I can deduce word and symbol equations for thermal decomposition. |  |
| I can compare the thermal decomposition of different metal carbonates. |  |
| I can calculate the mass of product lost as a gas in thermal decomposition. |  |
| Chemical reactions | I can construct word and symbol equations for a variety of chemical reactions. |  |
| I can describe how mass is conserved in chemical reactions. |  |
| I can describe combustion, thermal decomposition, exothermic, endothermic and displacement reactions. |  |
| I can describe the extraction of metals using carbon. |  |

**7C3 Chemical reactions**