What’s in the **Acids and Bases** test?

**You need to be able to:**

⃝ ​Define what acids and bases are.​

⃝ ​List the properties of acids and bases.

⃝ ​Recall the chemical formula for common acids and bases.

HCl, H2SO4, HNO3, H2CO3, CH3COOH

NH3, K2O, NaOH, Ca(OH)2, CaCO3

⃝ ​Write the word equation and identify reactants and products in balanced chemical equations for reactions, including;

* Acid and base (metal oxides or hydroxides)
* Acid and metal
* Acid and carbonate

⃝ ​Outline the difference between a strong acid and a weak acid.​

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⃝ ​Define concentration and how it can affect reaction rate.

⃝ ​Construct, use, interpret or analyze secondary data, graphs tables and diagrams.

⃝ ​Apply understanding of the scientific method and scientific report writing.