

Year 9 Science Mix-and-Match Activity: Acid Reactions

Instructions

Cut out each term and its corresponding product or example. Mix them up and have students match the reactants to the appropriate products or examples.

Reactants, Products, and Observations

Acid +	Base →	Salt + Water
Acid +	Metal →	Salt + Hydrogen Gas
Acid +	Metal Carbonate →	Salt + Water + Carbon Dioxide

Hydrochloric acid + Sodium hydroxide \rightarrow Sodium chloride + Water

Hydrochloric acid + Zinc \rightarrow Zinc chloride + Hydrogen gas

Hydrochloric acid + Calcium carbonate \rightarrow Calcium chloride + Water + Carbon dioxide

Sulphuric acid + Potassium hydroxide \rightarrow Potassium sulphate + Water

Nitric acid + Magnesium \rightarrow Magnesium nitrate + Hydrogen gas

Sulphuric acid + Sodium carbonate \rightarrow Sodium sulphate + Water + Carbon dioxide