

Chemistry > Big idea CCR: Chemical reactions > Topic CCR4: Acids and alkalis

Key concept (age 11-14)

CCR4.1: Neutralisation

Progression toolkit: Neutralisation

Learning focus	A salt is formed from a neutralisation reaction between an acid and a base.				
As students' conceptual understanding progresses they can:	Explain the appearance of bubbles when bicarbonate of soda reacts with vinegar.	Explain what happens when an acid appears to 'eat away' a material.	Suggest evidence than an acid has reacted with an alkali.	Predict the pH at the end of a reaction between an acid and an insoluble base.	Describe the end point of a reaction between a strong acid and a strong alkali.
Diagnostic questions	Vinegar fizz	Damaged marble	Reaction evidence	Final pH	End point
Response activities	Carbon dioxide possibility	Describing reactions	Reactant and product pH	Beaker contents	Changing pH

Key:

Prior understanding from earlier stages of learning

Bridge to later stages of learning



