

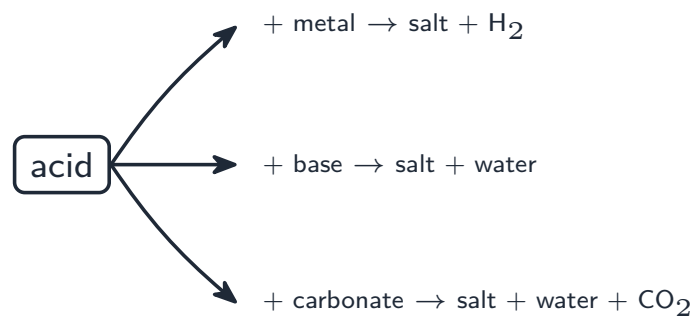
7 Acids and bases – Part 1

Name: _____ Class: _____ Date: _____

Vocabulary

Write each word three times.

English	Write it 3 times (English)		
acids	_____	_____	_____
alkalis	_____	_____	_____
bases	_____	_____	_____
metal	_____	_____	_____
salt	_____	_____	_____
hydrogen	_____	_____	_____
base	_____	_____	_____
carbonate	_____	_____	_____
carbon dioxide	_____	_____	_____
indicator	_____	_____	_____
Litmus	_____	_____	_____
Universal indicator	_____	_____	_____
acidic	_____	_____	_____
neutral	_____	_____	_____
alkaline	_____	_____	_____



Watch out: an **alkali** is a base that *dissolves* in water – every alkali is a base, but not every base is an alkali. On the pH scale, below 7 is acidic, exactly 7 is neutral, above 7 is alkaline.

Practice

Try these in order.

7.1 What ion do all acids form in water? [1]

7.2 Name the products of (a) acid + metal, (b) acid + carbonate. [2]

7.3 What colour is litmus in (a) an acid, (b) an alkali? [2]

7.4 What colour does universal indicator show at pH 7, and what is that called? [2]

7.5 Write the ionic equation for neutralisation. [1]

7.6 Challenge. Write the **word** equation for dilute hydrochloric acid reacting with calcium carbonate, and name the gas given off. [3]