CHEMISTRY

Acids, alkalis and pH

pH below 7
Acidic

Lemon juice, vinegar. Litmus turns red.

pH 7
Neutral

Pure water. Litmus stays purple.

pH above 7
Alkaline

Soapy water, bleach. Litmus turns blue.

Universal indicator

Red in strong acids, green when neutral, purple in strong alkalis.

In water

Acids release hydrogen ions. Alkalis release hydroxide ions.

Neutralisation

Acid plus alkali makes a salt and water.