

The Red Cabbage pH indicator test

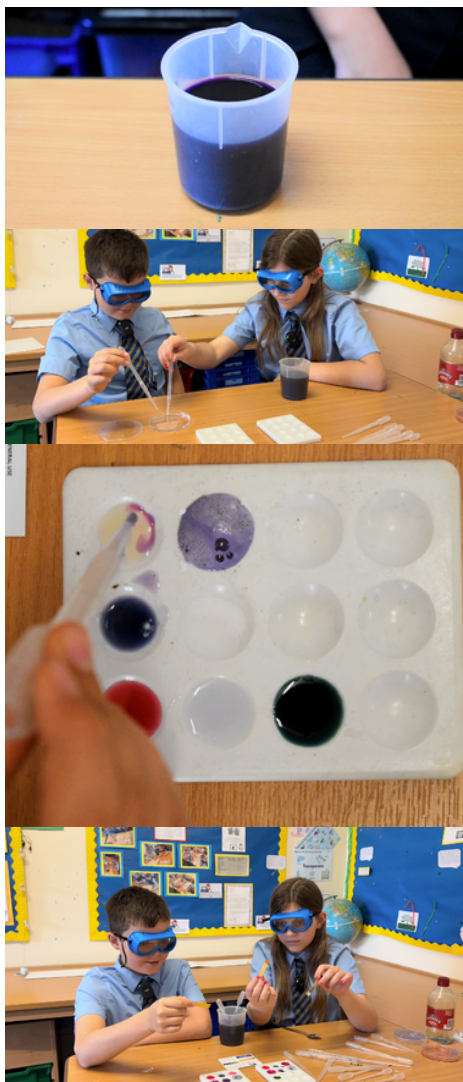
Ideal for: Primary 4 upwards



This experiment will demonstrate how red cabbage can be used to indicate if a substance is acidic or alkaline.

You will need:

- Red cabbage
- Knife
- Boiling water
- Pot with lid
- Measuring cups
- Clear jars with lids
- Dimple trays/small containers
- Pipettes
- pH paper
- Safety goggles
- Stuff to test!



Step one

Boil some red cabbage leaves in water for around 10 minutes. This produces our indicator.

Step two

Using a pipette, add a small amount of your chosen solutions or materials to your dimple tray.

Step three

Add small amounts of the red cabbage indicator to each sample.

Step four

Watch the colour change and discuss which substances are acid, alkali or neutral with your peers.

Red = acid, **green** = neutral
purple = alkali

Step five

You can verify the results using pH paper if you're not sure.