

Red Cabbage Test

Aim

To use red cabbage as an indicator to test if a substance is an acid or alkaline using household products.

What You Will Need

- $\frac{1}{4}$ to $\frac{1}{2}$ of red cabbage
- Saucepan
- Water
- Sieve



How to Prepare Your Indicator

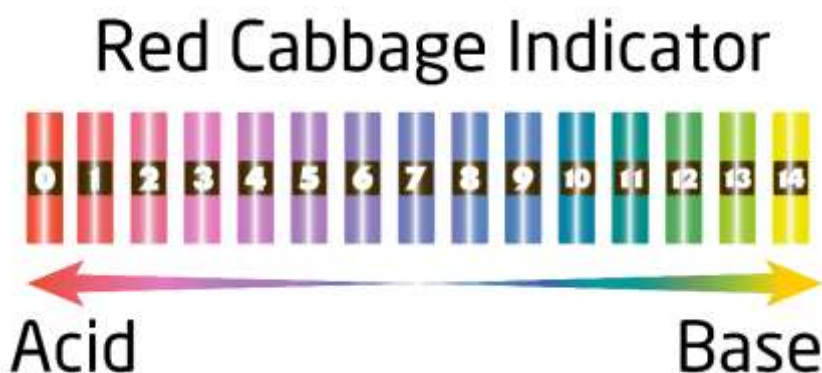
Make sure you have an adult to help you with this.

- Cut the cabbage into small chunks and place into the saucepan then cover with water.
- Place the saucepan onto the cooker and heat the water as if you were cooking the cabbage for a meal. Be warned it will smell.
- When the water has turned red remove from the heat to cool down.
- When the cabbage is cool enough to handle, press the cabbage through a sieve and collect the juice carefully in a container such as a small/medium-sized jug.
- Your indicator is now ready.

Testing Kit

To test, you will need the following:

- Your red cabbage indicator
- Some small glasses or cups for the substances you plan to test
- A dropper or a small teaspoon
- A selection of items to test, such as:
 - Lemon juice
 - Vinegar
 - Liquid soap
 - Shampoo
 - Orange juice
 - Milk
 - Lemonade
 - Orange juice



How to Test

1. Carefully drop a small amount of one of the substances into a glass so you can see what happens.
2. Now add a few drops of your indicator in as well. You should see a colour change.
3. Write down what you see, wash the glass out or use another glass to test another substance.
4. Repeat this process with all the other substances