

## How to prove which materials are acids or alkalis

The word acid means sour substance, originating from Latin. Alkali is the opposite of an acid.

### Utensils:

Sharp knife

Large bowl/basin

Colander/sieve

Spoon

White cotton

Kettle

### Ingredients:

Red cabbage

vinegar

lemon

baking powder

soap

water

### Method:

1. Fill and boil the kettle.
2. Put the hot water into the basin.
3. Break the cabbage into pieces and put it into the basin.
4. Wait until the water goes blue and then take the cabbage out with a sieve.

5. Put your materials into the basin.
6. Leave the materials in the basin until it burns blue
7. Remove the materials from the basin.
8. Rub some soap onto the material.
9. Squeeze the lemon onto the materials.
10. Shake the baking soda onto the material.
11. Allow the material to dry.

After this you should know what is an acid and alkali. The colour of acid should off turned pink and alkali should turn Green, blue and yellow.



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