# How can we identify acids and bases?

## Required materials

* water
* a red cabbage
* vinegar
* window cleaner
* baking soda
* a lemon
* toothpaste
* a kettle
* a jug
* transparent cups

## 1. Questions before performing the experiment

1. What do you think, which substances are acidic?

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1. What do you think, which substances are basic?

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## 2. Watch the first video and perform the experiment

Follow the steps outlined in the tutorial video.

Draw a diagram of your experiment in the box on the next page.

## 3. Record your observations

Fill the table.

|  |  |  |
| --- | --- | --- |
| **Substance** | **Colour of the indicator** | **Acidic, basic, or neutral?** |
| vinegar |  |  |
| window cleaner |  |  |
| baking soda |  |  |
| lemon |  |  |
| toothpaste |  |  |
|  |  |  |
|  |  |  |

## 4. Conclusion

Describe what happened during the experiment.

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