# How to identify acids and bases?

### Explanatory video transcript

*(0:08)* Let's start our adventure with acids and bases.

*(0:13)* Lilu has three cups, each with a clear liquid. The glasses have window cleaner, water, and vinegar, but Lilu doesn't know which is which.

*(0:25)* Let's help identify!

*(0:28)* There are so many substances that can be found all around us.

*(0:28)* Some substances taste sour like lemons, and others feel slippery like soap.

*(0:43)* These are some clues that help us identify acids and bases.

*(0:47)* But we can't identify substances by tasting them or feeling them to see if they are slippery, as this is dangerous in some cases.

*(0:57)* So, what should we do?

*(1:01)* Let's start by discovering what a pH indicator is.

*(1:06)* Red cabbage is a unique pH indicator from nature.

*(1:13)* You have seen how the red cabbage indicator changes colour in the presence of different substances.

*(1:19)* When it turns pink, it means it’s acidic. When it keeps the violet colour, it's neutral and when it turns blue or green, it means it's basic.

*(1:30)* You can experiment with different materials at home.

*(1:34)* In the kitchen you can experiment with different waters, milk, tomato, yoghurt, and salt.

*(1:42)* In the bathroom you can experiment with shampoo and soap. You can also experiment with cleaning products, but be careful – always with adult supervision.

*(1:55)* Stay curious and keep experimenting!