



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!

