



# How to Make a **Rainbow** with a Universal Indicator!

A Universal Indicator shows the pH of a solution, changing colors from **acidic** to **alkaline**!



## 1 Add Water & Indicator

Fill a beaker with water and add a few drops of universal indicator.



## 2 Add an Acid

Put a few drops of an acid, like vinegar or lemon juice.



## 3 Add a Base

Slowly add a **base**, like **baking soda** or **ammonia**.



## 4 Make a Rainbow!

Watch the colors change to create a rainbow effect!



### Tips & Safety



Wear Safety Goggles



Handle Chemicals with Care



Work with an Adult

Can you make all the colors appear?