

## Using Universal Indicator to test for Acidic, Neutral and Basic Solutions

**Aim:** To learn the colour changes in universal indicators in known acidic/neutral/basic solutions. Use this knowledge to identify unknown solutions as either acidic, basic or neutral.

**Procedure:** You will be given separate samples of solutions of a known acid, a known base, and distilled water.

Test each solution with the Universal Indicator

### Results:

Solution	Hydrochloric Acid HCl	Water H <sub>2</sub> O	Sodium hydroxide NaOH
Indicator			
Colour in Universal Indicator			
pH			

Unknown Solutions	Colour in Universal Indicator	pH	Acidic/Neutral/Basic
detergent			
lemon juice			
lemonade			
sodium bicarbonate			
vinegar			

Conclusion: