

Chemistry – Banana-level

Determine whether a fluid is acidic or alkaline

Materials:

pH-indicator (paper or/and fluid)

Test tubes

Pipettes

HCl (1M)

NaOH (1M)

(Mg⁺⁺-pieces)

What to do:

You have to make a hypothesis of the experiment after you have read the instructions. What do you think will happen and why?

Instructions:

Put 3 ml. of HCl in a test tube using a pipette. Put 3 ml. of NaOH in a test tube using another pipette – why is it important that you use different pipettes.

Now put 4 drops of litmus in each test tube and observe the colour of the liquid in the test tube.

What colour is test tube 1) – what colour is test tube 2)

What can conclusion can you draw of the experiment?

Could you have used a Mg⁺⁺-piece to determine in which test tube you had HCl – how and why?

