

Fun with Acids and Bases

Need:

100 ml acid 100 ml base 5 eyedroppers 3 Erlenmeyer Flasks 4 test tubes 2 strips litmus paper (1 red and 1 blue) 4 pieces of pH/Universal paper matches	1 piece magnesium 1 cm ³ amount of sodium carbonate Water cabbage juice phenolphthalein bromothymol blue phenol red methyl orange
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Acid or Base in Metal - magnesium, matches

Acid or base in small amount of carbonates in water with universal indicator (eyedropper)

Acid or Base in indicators - test tubes, 4 droppers of acid/base, one drop of indicator

litmus paper(dropper bottles)

phenolphthalein (dropper bottles)

bromothymol blue (eyedropper)

phenol red(dropper bottles)

methyl orange(dropper bottles)

Acid and base in Cabbage juice - Erlenmeyer flask, 4 droppers of juice in test tube

Neutral - original colour

Acidic - add a drop of acid

Basic - add a drop of base

Various Mixtures.....