

Fun with Acids and Bases - OBSERVATION SHEET

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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4 squirts of Acid + 1 piece of Magnesium ----- light match

4 squirts of Base + 1 piece of Magnesium

Small scoop of carbonates + 3 squirts of water + 1 drop of universal indicator.....Add 4 squirts of acid

Small scoop of carbonates + 3 squirts of water + 1 drop of universal indicator.....Add 4 squirts of base

| Litmus Paper | One drop of Acid | One drop of Base |
|--------------|------------------|------------------|
| Red | | |
| Blue | | |

Acid or Base with indicators -- test tubes, 2 full droppers of acid/base, one drop of indicator

| Indicator | Acid | Base |
|---|------|------|
| phenolphthalein (dropper bottles) | | |
| bromothymol blue (eyedropper) | | |
| phenol red(dropper bottles) | | |
| methyl orange(dropper bottles) | | |
| Cabbage juice 4 squirts of juice in test tube | | |

Various Mixtures.....