Acid Base Taste Test

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| --- | --- | --- | --- | --- |
| **Food type** | **Acid (sour)** | **Base (Bitter)** | **Salty** | **Sweet** |
| Tonic water |  |  |  |  |
| Lemonade |  |  |  |  |
| Orange |  |  |  |  |
| Lemon |  |  |  |  |
| Grapefruit |  |  |  |  |
| Sugar |  |  |  |  |
| Salt |  |  |  |  |
| Sour lolly |  |  |  |  |
| Vinegar |  |  |  |  |
| Coffee |  |  |  |  |

Red cabbage as a pH indicator test

Test tube 1: Hydrochloric acid (HCl 0.1M)

Test tube 2: Sodium Hydroxide (NaOH 0.1M)

Depression tile samples

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| Toothpaste | Antacid | Conditioner | Cloudy Ammonia |
| Shampoo | Windex | Vinegar | Lemon Juice |
| Vitamin C | Mouthwash |  |  |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| Cabbage Extract Indicator Colour: | | | |  |  |  |  |
| Substance | Initial Colour | Predicted colour | Colour with cabbage extract | **Red litmus paper**  (turns blue when placed in a base) | **Blue litmus paper**  (turns red when placed in an acid) | **Universal indicator**  (use colour chart to find exact pH of solution) | **Acid, base or neutral?** |
| Hydrochloric acid |  |  |  |  |  |  |  |
| Sodium hydroxide |  |  |  |  |  |  |  |
| Toothpaste |  |  |  |  |  |  |  |
| Antacid |  |  |  |  |  |  |  |
| Conditioner |  |  |  |  |  |  |  |
| Cloudy Ammonia |  |  |  |  |  |  |  |
| Shampoo |  |  |  |  |  |  |  |
| Windex |  |  |  |  |  |  |  |
| Vinegar |  |  |  |  |  |  |  |
| Lemon Juice |  |  |  |  |  |  |  |
| Vitamin C |  |  |  |  |  |  |  |
| Mouthwash |  |  |  |  |  |  |  |