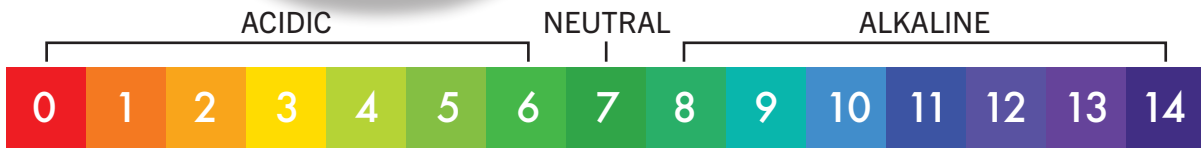
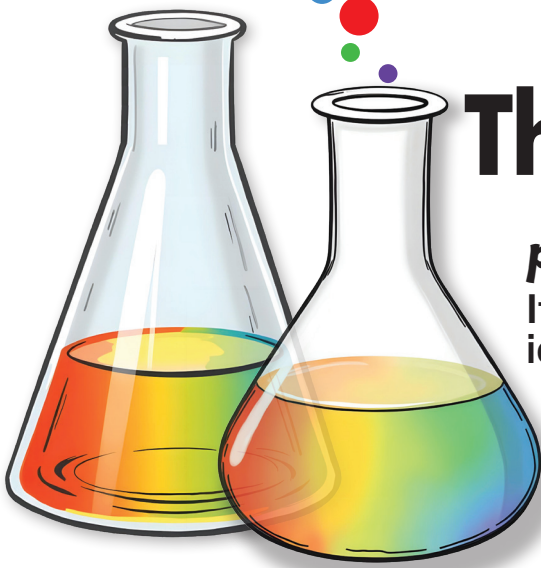


The pH FACTOR

pH stands for 'Potential of Hydrogen'
It measures the concentration of hydrogen ions (H^+) in a solution.

Acids and Bases

We measure ACIDS and BASES on the strength of their pH number on the pH scale. The number ranges from 0–14.



An acid and a base are two types of substances with opposite chemical properties.



WHAT IS AN ACID?

- An acid is a substance that tastes sour (like lemon juice or vinegar).
- It releases hydrogen ions (H^+) when dissolved in water.
- Acids have a pH less than 7.
- Common examples: lemon juice, vinegar, hydrochloric acid (in stomach acid).



WHAT IS A BASE?

- A base is a substance that tastes bitter and feels slippery (like soap).
- It releases hydroxide ions (OH^-) when dissolved in water.
- Bases have a pH greater than 7.
- Common examples: baking soda, soap, ammonia.

WHAT IS A NEUTRAL SUBSTANCE? • It has no acidic or base properties
• It has a pH value of 7 • Common examples: water, salt solution in water

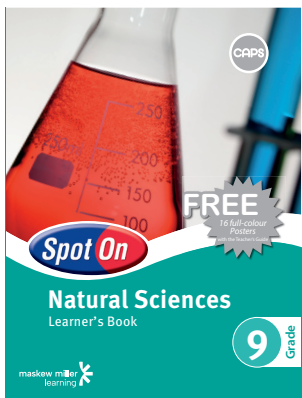
EXAMPLES:

 pH 2	 pH 13	 pH 4
 pH 9	 pH 8	 pH 5

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