

Weekly –Sabaragamuwa –Provincial Educational Department  
School

Subject- Science

Week- june –7 -11

Grade- 11

Prepared by zonal educational office – -  
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## Acids,Bases and Salts

- Prepared a list of chemicals that we use in our day to day life.

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- Group them as acids, bases and salts/neutrals

<u>Acids</u>	<u>Bases</u>	<u>Salts</u>

Generally salts show neutral properties.

### Acids

- Strong acids that are used in laboratory.

$H_2SO_4$ - Sulphuric acid

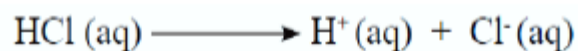
$HNO_3$  – Nitric acid

$HCl$ - Hydrochloric acid

Acid is a

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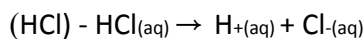


- Acids are grouped according to their ability to release H<sup>+</sup> ions in an aqueous medium.

**Strong acids**

Release H<sup>+</sup> ions while completely getting ionised in an aqueous medium

Hydrochloric acid



Sulphuric acid

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Nitric acid

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**Weak acids**

Release H<sup>+</sup> ions while getting partially ionised in an aqueous medium

Write the examples for weak acids

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**Physical and chemical properties of acids.**

- Have corrosion properties.
- Sour in taste.
- Most metals react with acids and release Hydrogen gas.



- React with carbonates and bicarbonates and release Carbon dioxide gas



- Reacts with bases and form neutral salts.



Write uses of following acids

Sulphuric acid.	Hydrochloric acid	Nitric acid