



# SARALA BIRLA PUBLIC SCHOOL

Birla Knowledge City, Mahilong, Ranchi

CLASS-VII (2020-21)

Sub: CHEMISTRY

Assignment-4



## Chapter- 5 Acids,bases and salts

### Concept Flow

Indicators : special kind of substances that help to determine whether a substance is an acid or a base are called indicators.

Characteristics of acids:

Acids are sour in taste. They turn blue litmus red .Acids are corrosive in nature.

Characteristics of bases :

Bases are bitter in taste. They turn red litmus blue .Bases are soapy in touch.

Characteristics of salt:

Salts can be acidic ,basic or neutral depending on their reactants. When strong acid and weak base are mixed the resulting salt will be acidic. Similarly if a strong base and weak acid are mixed the resulting salt will be basic.

Questions:

Q1 Mention the differences between acid and bases in a tabular form.

Q2. What type of salt is formed

- a.when a strong acid and weak base are mixed.
- b.when strong base and weak acids are mixed

Q3. Give reasons :

- i.Antacid tablet is helpful when suffering from acidity.
- ii.Calamine lotion is used to treat bee sting .
- iii.Organic waste and earthworms are added to basic soils.

Q4. Name two natural indicators other than litmus .How do they behave with acids and bases ?

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