

Chemistry - 10th Class Chemistry English Medium Chapter 11 Preparation

Q1. What are organic compound ?

Ans 1: Organic chemistry are hydrocarbon and their derivatives in which covalently bonded carbon is an essential constituent

Q2. What is ammoniacal liquor ?

Ans 1: It is a solution of ammonia gas in water . It is used to prepare nitrogenous fertilizer

Q3. Define vital force theory?

Ans 1: According to this theory organic compounds could not be prepared in laboratories because they were supposed to be synthesized under the influence of a mysterious force called vital force.

Q4. What is Ammoniacal liquor?

Ans 1: It is a solution of ammonia gas in water. It is used to prepare nitrogenous fertilizer.

Q5. How many types of chemical formula of organic compounds?

Ans 1: there are four types of chemical formulas of organic compounds. Molecular formula Condensed formula Dot-cross formula Structural formula

Q6. Define functional group .

Ans 1: An atom or group of atoms or presence of double or triple bond which determines the the characteristic properties of an organic compound known as functional group

Q7. What is coke ? For what purpose used ?

Ans 1: Coke is 98% carbon . It is left behind as residue of coal . It is mainly used as a reducing agent in the extraction of metals especially iron . It is also used as fuel

Q8. Differentiate open chain and closed chain compounds .

Ans 1: Open chain compound : Open chain compounds are those in which the end carbon are not joined with each other in this way they form a long chain of carbon atom $\text{H}_3\text{C}-\text{CH}_2-\text{CH}_2-\text{CH}_3$

Ans 2: Closed chain compounds : Close chain or cycle compounds are those in which the carbon atom at the end of chain are not free . They are linked to form a ring

Q9. Give the general formula of Alkane.

Ans 1: The general formula of Alkane is $C_n H_{2n+2}$

Q10. What is coal gas ?

Ans 1: It is a mixture of hydrogen , methane and carbon monoxide
