

Chemistry - 10th Class Chemistry English Medium Chapter 16 Preparation

Q1. Give use of fuel oil

Ans 1: It is used in ships and industries to heat boilers and furnaces.

Q2. Give use of petroleum ether.

Ans 1: Used as laboratory solvent and for dry cleaning purpose

Q3. Define gangue.

Ans 1: The earthy and other impurities associated with minerals are called gangue.

Q4. Why is lime added in the smelting process?

Ans 1: Lime is used to separate the gangue in the form of slag.

Q5. What is difference between slag and matte?

Ans 1: Slag is a mixture of metal silicates and phosphates while cuprous sulphide and ferrous sulphide form a mixture. This molten mixture is called matte.

Q6. Define refining?

Ans 1: Refining process is the separation of crude oil mixture into various useful fractions.

Q7. Define principle of froth floatation.

Ans 1: Froth floatation is based on the wetting characteristics of the ore and gangue particles with oil and water respectively.

Q8. Give names of raw material used in Urea manufacturing?

Ans 1: Ammonia Carbon dioxide

Q9. Name two ores of copper.

Ans 1: Copper glance Cu_2S Chalcopyrite CuFeS_2

Q10. Define blister copper.

Ans 1: the molten matte is shifted from converter to sand moulds and is allowed to cool. the dissolved gases escape out forming blister on the surface of solid copper. It is called blister copper. It is 98% pure copper.
