

## Chemistry - 10th Class Chemistry English Medium Chapter 15 Preparation

Q1. Name two ores of copper

**Ans 1:** Copper glance  $\text{Cu}_2\text{S}$

Chalcopyrite  $\text{CuFeS}_2$

Q2. Write down the the names of four fractions obtained by the fractional distillation of residual oil ?

**Ans 1:** 1: Lubricant

2: Paraffin wax

3: Asphalt

4: Petroleum

Q3. Give names of raw material used in Urea manufacturing ?

**Ans 1:** 1: Ammonia ( $\text{NH}_3$ )

2: Carbon dioxide ( $\text{CO}_2$ )

Q4. Give use of petroleum ether

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

Q5. Describe the difference between diesel oil and fuel oil

**Ans 1:** Diesel oil : Fuel for buses , trucks railway engines , tube well engineers , well engines and other heavy vehicles

**Ans 2:** Fuel oil : Used in ships in industries to heat boilers and furnaces

Q6. In which field organic chemist work ?

**Ans 1:** Organic chemists have career in pharmaceutical , petroleum , petrochemicals , cosmetics , polymer and plastic industries

Q7. What role play technology in the production of common chemicals .

**Ans 1:** Technology is considered a consequences of science and engineering . Common chemicals such as acids alkalies , salts ,soaps , detergents etc are being produced on commercial scale by chemists or chemical engineers since centuries . Technology began to influence human efforts to produce common chemicals since people began using different tools and machineries . Now it is because of use of technology that needs of people are being fulfilled . Use of technology has increased the production with improved

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Q8. What temporary hardness use.

**Ans 1:** Temporary hardness by boiling , by clark's method

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Q9. What are the effects of temporary hardness in water?

**Ans 1:** 1. Hard water consumes large amount of soap in washing purposes. 2. Drinking hard water causes stomach disorders. 3.Hard water is unfit for use in steam engines. boilers and turbines because insoluble calcium and magnesium salts deposit inside. They are called scales. they are bad conductors of heat and hence more fuel is used insoluble calcium and magnesium sulphates not only reduce the efficiency of the engine but also cause the boiler to burst.

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Q10. Define gravity separation method

**Ans 1:** Gravity separation:gravity separation is based on the differences of metallic ore and the gangue particles

**Ans 2:** Explanation : In the process , the powdered heavy metal bearing ore settles down on agitation in a stream of water , while the lighter gangue particles are carried away by the water

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