

## Chemistry - 10th Class Chemistry English Medium Short Question Preparations

Q1. 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 quality of products

Q2. What are the elements found in proteins ?

**Ans 1:** Proteins consists of carbon , oxygen nitrogen , and sulphur . They are polymers of amino acids

Q3. 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

Q4. Define principle of froth flotation

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

Q5. Which bacteria causes the cholera?

**Ans 1:** Cholera is an acute infection caused by the bacteria "Vibrio cholera" ., which may be found in water contaminated by human faces, Cholera causes severs diarrhea and can be fatal.

Q6. How can you know that a reaction has achieved an equilibrium state ?

**Ans 1:** By knowing the value of  $K_c$  we can predict the equilibrium state . If the value of  $Q_c$  is equal to  $K_c$  then indicate that a reaction has achieved an equilibrium state

Q7. Why are plants dying day by day? Comment.

**Ans 1:** Acid rain directly damages the leaves of trees and plants, thus limiting their growth. Depending upon the severity of the damage, plants growth can be hampered. Plants capability to resist cold or diseases reduces and ultimately die

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Q8. Differentiate open chain & closed chain compounds.

**Ans 1:** Open Chain compounds: 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: Closed 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.

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Q9. Define refining

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

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Q10. What is the simplest alkane ?

**Ans 1:** Methane is the simplest alkane  $\text{CH}_4$

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