

Chemistry - 12th Class Chemistry Chapter 14 Short Questions Preparation

Ans 1:	The polymerization results from the mutual reaction of two fun-	nctional groups .The reaction usua	ally involves the removal of a

water molecule or methanol molecule, It take place at both end of the growing chain.

Q2. What are the following

Q1. Define condensation polymerization.

- 1.lsoenzyme
- 2. Nucleotide

Ans 1: Isoenzyme: These are the enzymes from the same organisms which catalyze same reaction but are chemically and physically distinct from each other.

Nucleotide:Both DNA and RNA are formed by joining together a large number of Nucleotide units ,each of which is a nitrogenous base sugar phosphoric acid complex.

Q3. Give the classification of polymer?

Ans 1: IN 1929,W.H Carothers suggested a classification of the polymerization process into two depending upon the way the polymer are formed.

Addition Polymerization: It is free radical addition reaction which involves initiate, propagation and termination steps. For example polymerization of styrene.

Condensation polymerization: The polymerization results from the mutual reaction of two functional groups, This reaction usually involves the removal of a water molecule or a methanol molecule, It take place at the both end of the growing chain.

Q4. Write use of polystyrene.

Ans 1: It is used in the manufacturing of goof container , cosmetics bottles ,toys and packing material etc.

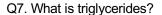
Ans 2:

Q5. What is the degree of polymerization?

Ans 1: The length of polymer chain is specialized by the number of repeating units in the chain is known as degree of polymerization.

Q6. What are derived proteins?

Ans 1: They are the hydrolytic products of the above mentioned compounds, Sterols vitamin D and terpenes belong to this class of lipids.



Ans 1: A triester of glycerol is called a triglycerides or glyceride.

Q8. What are epoxy resins?

Ans 1: The epoxy resin are fundamentally polymers but retain their name on the basic of the starting material and the presence of epoxide group in the poly,er. The epoxy resin is made by condensing epichlorohydrin with diphenylol propane.

Q9. How the degree of polymerization helps to determine the molar mass of the polymer?

Ans 1: The molecular mass of the polymer is the product of the molecular mass of the repeating unit and the degree of polymerization ,For example,polyvinyl chloride, a polymer of degree of polymerization 1000,has molecular mass,

Q10. Define polymerization, Explain polymerization reaction of ACetylene.

Ans 1: Formation of polymer from its respective monomers at standard condition is called polymerization. When acetylene is passed through a copper at 300 C, it polymerizes to benzene,