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AS Chemistry

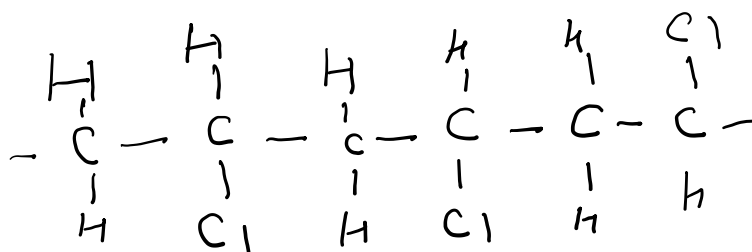
C6 : Organic Chemistry Assignment-3

Assignment Questions

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Organic Chemistry Assignment -3

Q1 : Diagram below show the a section of an addition polymer.



Draw the displayed formulae for polymer's repeat unit and monomer.

Q2: Propene can react with acidified potassium manganate (VII) solution.

- Name the product form from this reaction.
- Write an equation for the reaction.
- State the role of potassium manganate (VII) solution in the reaction.

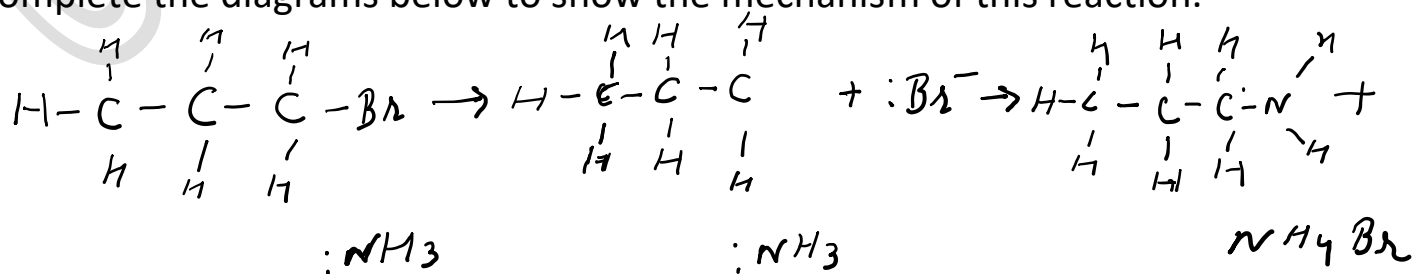
Q3: What is meant by hydrolysis? Give an example.

Q4: 1-bromopropane heated with potassium hydroxide under reflux.

- Write down the equation for this equation along with products formed.
- Show the full mechanism of above reaction.

Q5 : 1 bromo propane reacts with excess ammonia.

a) Complete the diagrams below to show the mechanism of this reaction.



- a) State the role of the first and second ammonia molecules in the reaction.
- b) Write down the complete equation for the reaction along with name of products formed.

Q 6: 1 chloro propane reacts with potassium cyanide dissolved in ethanol under reflux.

- a) Identify the nucleophile in this reaction.
- b) Write an equation to represent this reaction along with product name.

Q7: 2 – bromo propane reacts under reflux, with potassium hydroxide dissolved in ethanol.

- a) Write the equation to represent this reaction along with the product formed.
- b) State the type of reaction this is and the role of hydroxide ion.

Q8: What will be the products if the same reactant in previous reaction reacts with potassium hydroxide with water as solvent under reflux.

Q9 : Draw the primary , secondary and tertiary halogenoalkanes structures.