



KEC

# K Education Centre



## AS Chemistry

C6 : Organic Chemistry Assignment-1

Assignment Questions

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Year 2023

## Organic Chemistry Assignment -1

Q1 : What are hydrocarbons?

Q2: Why pentane is described as saturated hydrocarbon?

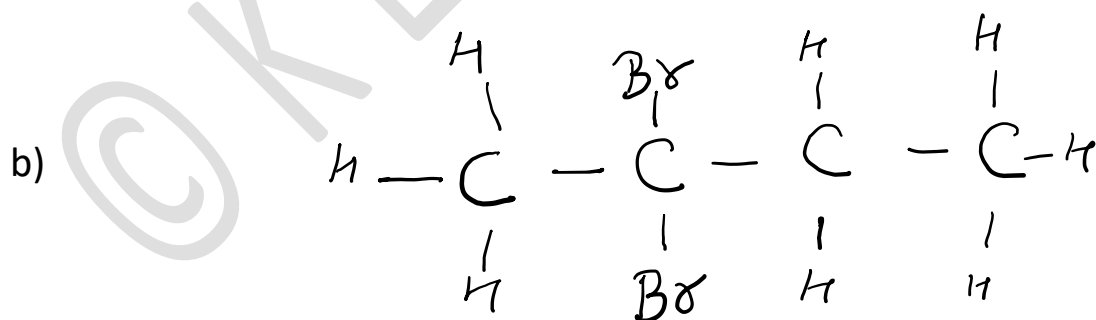
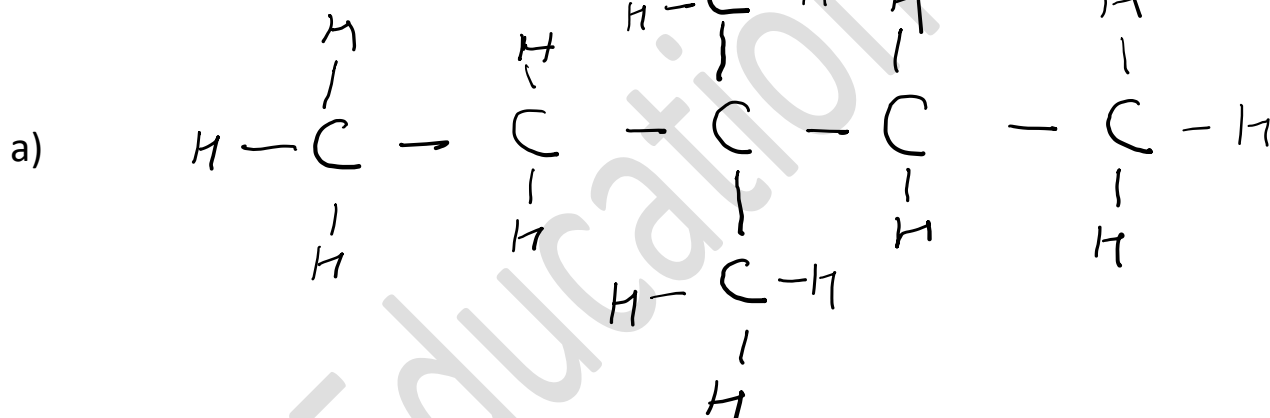
Q3: Write displayed and skeletal formula for Butane.

Q4: Diagram shows the skeletal formula for hydrocarbon write its molecular formula.

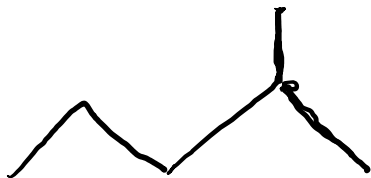


Q5: What are isomers ?

Q6: Name the following alkanes :



c)



Q7 : There are three isomers with molecular formula  $C_5H_{12}$ .

Draw the skeletal and display formula for all these isomers.

Q8: Describe a test you would carry out to distinguish between pentane and pent -1 - ene .

Q9 : Draw the skeletal and display formula for ethene and propene.

Q10: There are two isomers with molecular formula  $C_3H_6$  . One is saturated and one is unsaturated.

Name the isomers along with their display and skeletal formula.

Q11: Name the following:

