

THE SCHRAM ACADEMY  
WORKSHEET 3

Grade: XI

Sub: Chemistry

- I Answer the following
- 1 Mention the functional group of alcohol and aldehyde.
- 2 Write molecular formula of two successive homologues of  $C_3H_8$ .
- 3 Classify the formula into saturated and unsaturated hydrocarbons.  
a) ethane                      b) butane                      c) ethane                      d) propyne
- 4 Write the structural formula of  
a. propane                      b. butene                      c. ethyne
- 5 What is the primary suffix given for carbon atoms linked by  
a. double bond                      b. triple bond
- 6 What are the secondary suffix for the functional groups  
a. aldehyde                      b. ketone                      c. carboxylic acid
- 7 What are the prefixes used for  
a. -NH                      b. -CHO                      c. -CN
- 8 Write the structural formula for the following  
a. propene                      b. 1-butanol                      c. chloroethane
- 9 Draw the structures of the following compounds  
a. 2-methylpropane  
b. 2,3-dimethylpentane  
c. 3-ethyl-2,4-dimethylhexane  
d. 1,1-dichloroethene  
e. 2-methyl propan-2-ol
- 10 Name these compounds  
  
1.  $CH_3CH_2CH_2OH$

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