



INDIAN SCHOOL DARSAIT
DEPARTMENT OF CHEMISTRY
WORKSHEET



Subject : CHEMISTRY Chapter : Carbon and its Date: 16-10-2017
Compounds

Resource Person: Mr. Harikrishnan P

Name of the Student : _____ Class & Division : X---- Roll Number : -----

1.	What do you mean by a functional group?	1
2.	Give two examples each of carbon compounds containing single bond, double bond and triple bond.	1
3.	Write one example each of open chain, branched chain and ring compounds.	1
4.	Identify the functional groups present in the following: (a) Butanal (b) Propanone (c) Ethanoic acid (d) Pentanol	1
5.	Covalently bonded molecules are seen to have strong bonds within the molecule, but inter molecular forces are------. This give rise to the ----- melting and boiling point.	1
6.	Covalent compounds are poor conductors of electricity. Why?	1
7.	Why do soaps form scum instead of lather in hard water?	1
	Ethanoic acid is also known as glacial acetic acid. Why?	1
8.	Carbon does not form C^{4-} anion and C^{4+} cation. Why?	2
9.	Draw the electron dot structure of ammonia and water molecules.	2
10.	What are the characteristics of homologous series? Which of the following compounds belong to the same homologous series? C_2H_6 , $C_2H_6O_2$, C_2H_6O , C_4H_{10}	2
11.	What do you mean by hydrogenation reaction? Give its industrial application.	2
12.	Draw the electron dot structure of a) Ethanol b) Ethanoic acid	2

