# ASSIGNMENT 3- ISOMERS AND FUNCTIONAL GROUPS IN CARBON COMPOUNDS

Name_____ Grade_____ Date_____ MM-20

Answer the following questions-

Q1- (a) What are the compounds having the same molecular formula but different structural formula called? (1)
(b) Why such compounds have different structures? (1)

Q2- Draw any three possible isomers of hexane and name them. (3)

Q3- (a) Define heteroatoms. (1)
(b) Why are they called the functional groups of the carbon compounds? Give two points. (2)



Q4- Draw the structural formula for the following-
(a) Ethanol (b) Butanoic acid
(c) Propanal (d) Pentanone
(e) Chloromethane (5)

Q5- Write two main points of difference through which you can identify the aldehyde and the ketone group present in the carbon chain. (2)

Q6- (a) Which functional group is always attached to any of the non-terminating carbon atoms in the carbon chain? (1)
(b) Which functional groups are always present at the terminal of the carbon chain? (2)
(c) Give one example of organic compound containing alcohol functional group and draw its structural formula. (2)