

GRADE: 12 DATE: 9.11.19

TOPIC:ALDEHYDES, KETONES AND CARBOXYLIC ACIDS WORKSHEET NO.12

1. Arrange the following compounds in the increasing order of boiling points:

CH3CH2CH3, CH3CH2OH, CH3OCH3, CH3CHO

1. Arrange the following in the increasing order of dipolemoment:

CH3CHO, (CH3)2CO, CH3CO OH

1. How does C=O differ from C=C group in chemical reactions?
2. A base is added in the nucleophilic addition of HCN with carbonyl group. Why?
3. Aldehydes are more reactive than ketone in the nucleophilic addition of HCN. Why?
4. Arrange the following in order of increasing boiling points:
5. Propanone, Propanal, 1-Propanol, Propane, Dimethyl ether
6. What is the ordr of reactivity of the following towards HCN?

C6H5CHO, C6H5CO C6H5, CH3CHO, HCHO