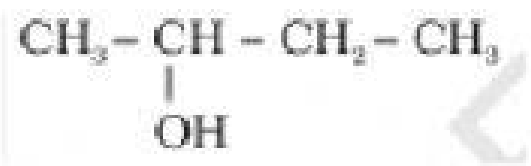
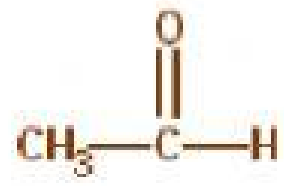
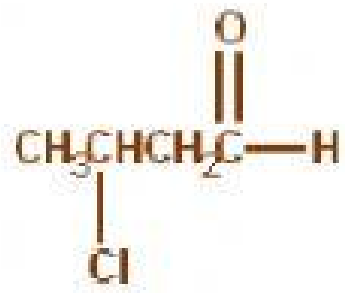
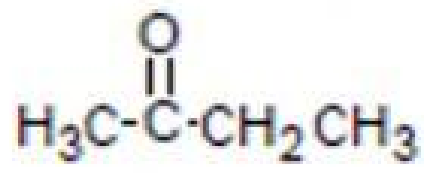
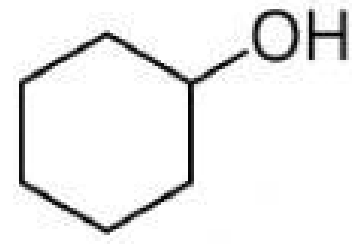
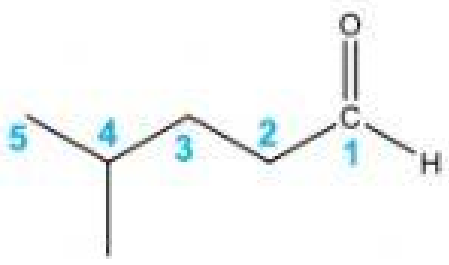
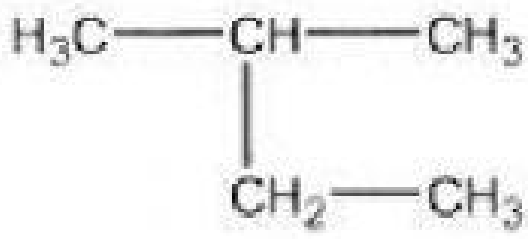
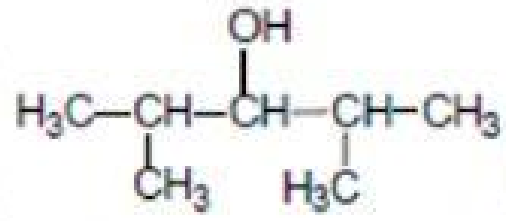
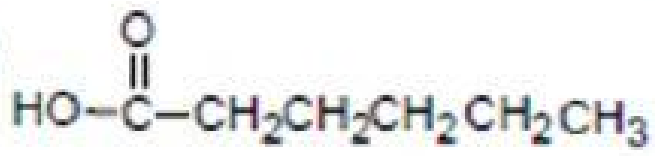
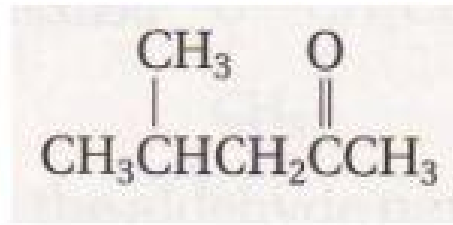
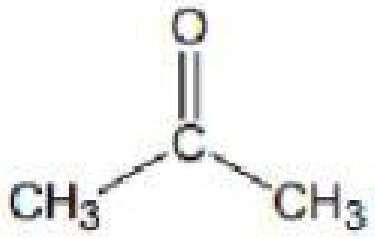
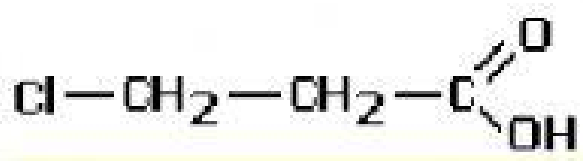
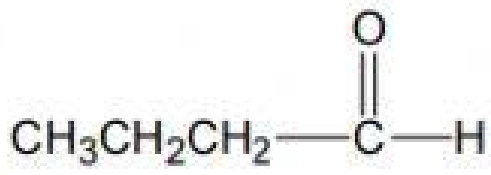
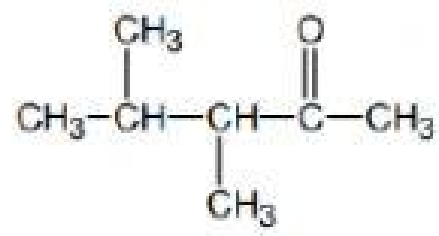
<u>**Worksheet - ROH, Aldehydes and Ketones**</u>

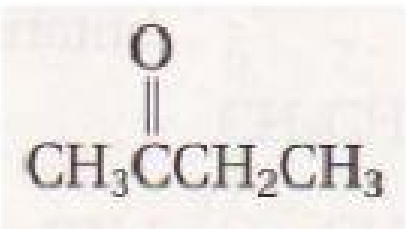
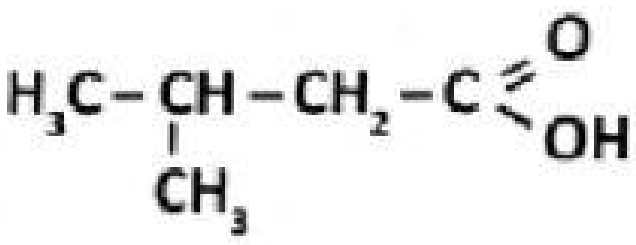
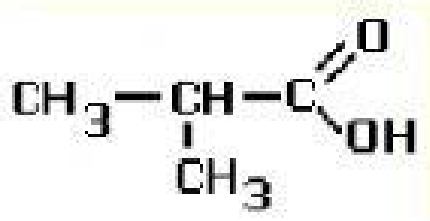
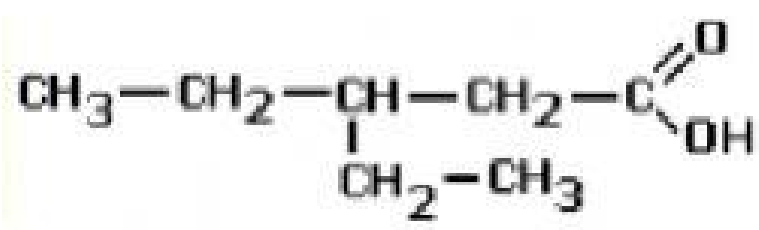
1. Use systematic nomenclature to name the following structures.



2. For each pair of compounds on the left, select a correct structural characterization from the response list on the right. Responses on the right may be used more than once.

___	1-Butanol 2-Butanol	a) are isomers
___	2-methyl propanol Butanal	b) have the same number of carbon atoms and same number of oxygen atoms but are not constitutional isomers
___	3-Chlorophenol 3-heptanol	c) have the same number of carbon atoms but a different number of oxygen atoms
___	Cyclohexanol Phenol	d) have the same number of oxygen atoms but a different number of carbon atoms
___	2-methylbutanal 2,3-pentanediol	

3. True or False:

1. ethylene glycol contains two carbon atoms and two hydroxyl groups __
2. acetone is the second ketone __
3. 2-propanol is a secondary alcohol __
4. ethanol is more toxic than ethanal __
5. the simplest aldehyde is etanol __
6. the simplest ketone is acetone __
7. silver mirror is a test reaction for carbonyl group __
8. alcohol is a base __
9 test reaction for glycerol is interaction with Cu(OH) __
10 phenol is ketone