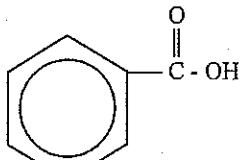
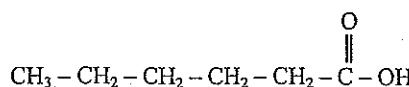


Carboxylic Acids and Ethers

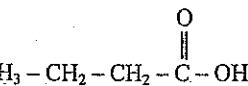
1. Write a correct IUPAC name for each of the following compounds.



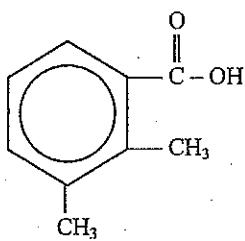
benzenoic acid



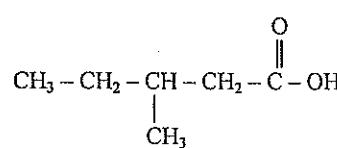
hexanoic acid



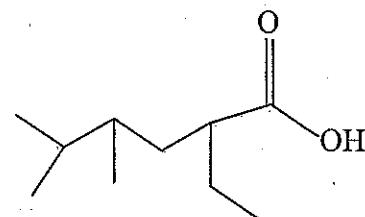
butanoic acid



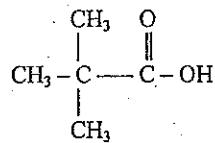
2,3-dimethylbenzenoic acid



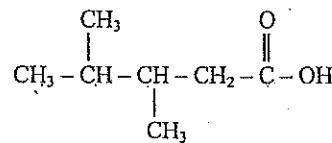
3-methylpentanoic acid



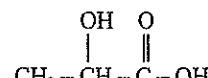
2-ethyl-4,5-dimethylhexanoic acid



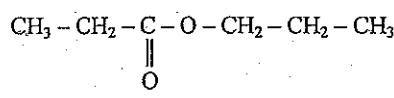
2,2-dimethylpropanoic acid



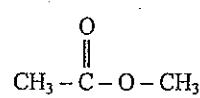
3,4-dimethylpentanoic acid



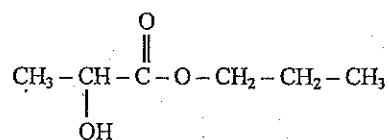
2-hydroxypropanoic acid



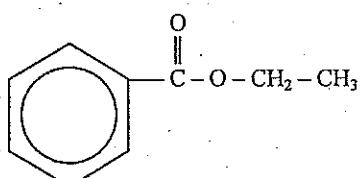
propyl propanoate



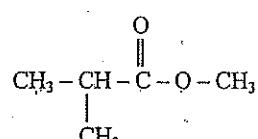
methyl ethanoate



propyl 2-hydroxypropanoate



ethyl benzenoate



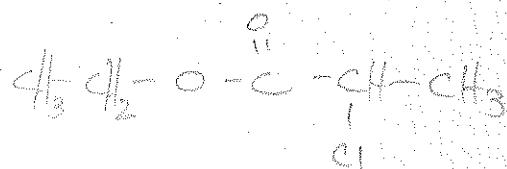
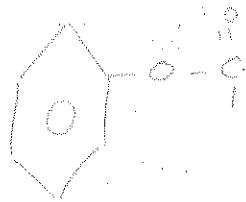
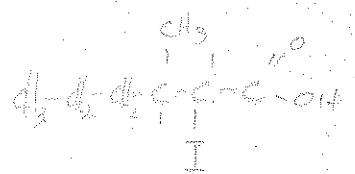
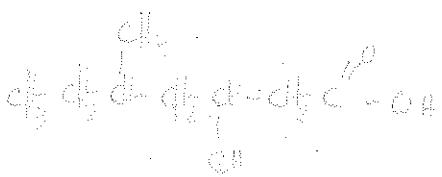
methyl 2-methylpropanoate

2. Draw the structural formulas for:

- 3,5-dimethylheptanoic acid
- 2-iodo-3-methylhexanoic acid
- ethyl butanoate
- methyl formate
- phenyl formate
- ethyl 2-chloropropanoate

3. Assign common names and the structural formulas to the simple esters produced by a reaction between methanol and

- propanoic acid
- butanoic acid
- lactic acid



propanoic

butanoic acid

butyric acid

lactic acid \rightarrow ethanoic acid