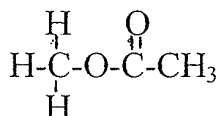


## 4.5 NAMING OF ESTERS

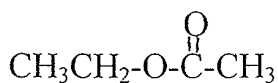
Esters are named on the basis of the alcohol and the carboxylic acid from which they are formed. The naming system is a little complex, but once you've got the idea, it is straightforward.

- 1) Identify the portion of the ester that came from the carboxylic acid, and that which came from an alcohol.
- 2) Take the name of the IONIC form of the carboxylic acid.
- 3) In front of that, put the name of the alkyl group which came from the alcohol.

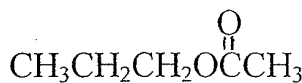
These rules are best illustrated with examples:



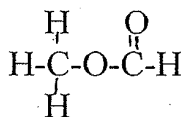
Methyl ethanoate or  
Methyl acetate



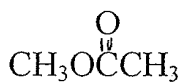
ethyl ethanoate or  
ethyl acetate



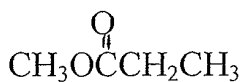
propyl ethanoate or  
propyl acetate



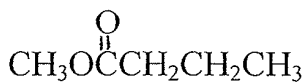
Methyl methanoate  
Methyl formate



methyl ethanoate  
methyl acetate

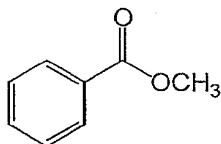
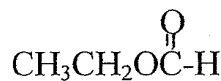
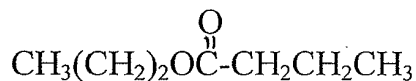
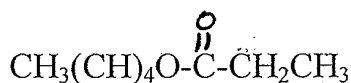
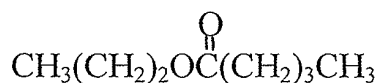


methyl propanoate  
methyl propionate



methyl butanoate  
methyl butyrate

Name the following:



Answers:

Propyl pentanoate  
propyl butanoate(butyrate)  
propyl propanoate(propionate)  
methyl benzoate

pentyl propanoate  
ethyl methanoate(formate)