

SAMPLE QUESTIONS

ESTERS

1. Encircle the letter T, if the statement is true, and the letter F, if it is false.

1. T F The reaction between a carboxylic acid and an alcohol forms an ester.
2. T F General formula of esters is RCOOH.
3. T F Esters are not soluble in water.
4. T F Esters are alkyl salts of carboxylic acids.
5. T F Fats are esters of fatty acids and glycerin.

2. C_2H_5OH , C_3H_6O , $C_4H_8O_2$, $C_5H_{10}O_2$ compounds are given. Select one of them which is the homolog of methyl acetate

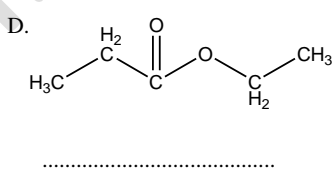
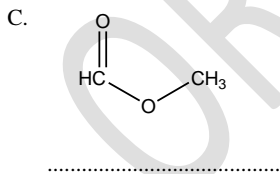
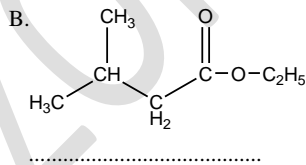
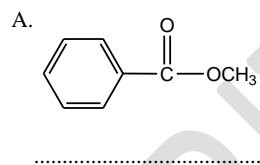
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I. Complete the table below according to the compound you selected.

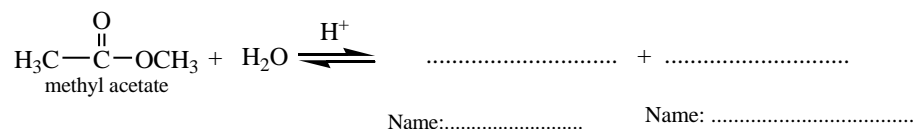
1	Name of the class of the organic compound	
2	Structural formula of the compound	
3	IUPAC name of the compound	
4	Structural formula of the isomer of the compound	
5	IUPAC name of the isomer of the compound	

II. Write down one preparation reaction for the compound you selected.

3. Write down the IUPAC name of the following structures.



4. Complete the following reactions and name the substances indicated.



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