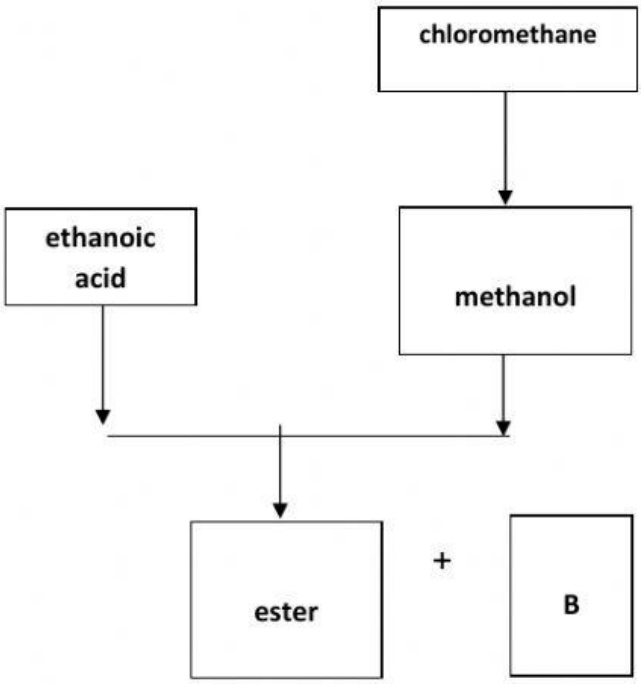
QUESTION 8

Consider the following flow-diagram of a chemical process that leads to the formation of an ester.



8.1 Write down the NAME of compound B (1)

8.2 Give the IUPAC name of the ester formed. (1)

8.3 Name the type of reaction which chloromethane is turned into methanol. First write addition, elimination or substitution and then the specific type. (1)

8.4 There are 2 possible pathways to form the methanol mentioned in 8.3. Write the **name** of both reactants you could add to form methanol. (2)

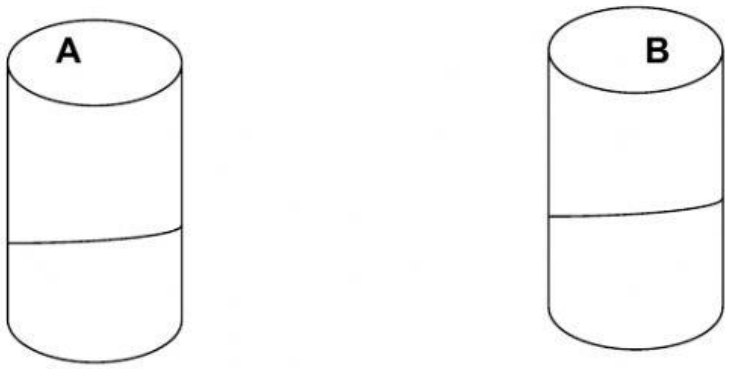
[5]

LIVEWORKSHEETS

QUESTION 9

A class is provided with samples of pentane (A) and pent-1- ene (B) in two separate test tubes as shown below.

She wishes to distinguish between these 2 compounds in the laboratory.



9.1 State the name of the substance you will need to add to test which compound is pentane (A) or pent-1- ene (1)

9.2 State the IUPAC name of the compound that will change colour first. (1)

[2]

Total 58

LIVEWORKSHEETS