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Question 22 (6 marks)

A student prepared the compound methyl propanoate in a school laboratory.

(a)	Give a common use for the class of compounds to which methyl propanoate	1
	belongs.	
	ester A common use for	
	esters are flavouring for God	

(b) In the preparation of this compound a few drops of concentrated sulfuric acid were added to the starting materials. The mixture was then refluxed for a period of time.

Why was it necessary to reflux the mixture?
It is necessary to reflux because the
It is necessary to reflux because the reaction is will increase
it heated and the products are
very volatile so it needs to be
veff. sed.
Name the TWO reactants used in preparing the methyl propanoate and draw their
structural formulae,

Name the TWO reactants used in preparing the methyl propanoate and draw their structural formulae.

