Question 24 (4 marks)

In the margarine industry, alkenes are often hydrogenated to convert unsaturated oils into solid fats that have a greater proportion of saturated molecules.

(a)	Using ethene as an example, write an equation for this reaction and state the type of reaction this represents.	2
	ethere + water -> ethanol	
	Cathern + H20 C2H4+H20 -> C2H50H	
	This is an addition neaction	
(b)	Describe a test that could be used to confirm that all the ethene has been converted.	2
	To confirm that all the etneme has converted, the solution	ı
	is mixed with bromine. I Bromine has a brown whour	
	on its oun, but when readed with there, it turns colowles	j.
	y the rolution is brown when bromme is added, then	
	all the one has readed.	