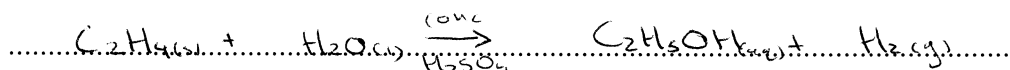


Question 24 (4 marks)

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



~~condensation reaction~~
hydration.

- (b) Describe a test that could be used to confirm that all the ethene has been converted. 2

conc. H_2SO_4 if any precipitate turns black

there is still ethene there.