

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

$C_2H_5COOH + H_2O$
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hydration
.....
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- (b) Describe a test that could be used to confirm that all the ethene has been converted. 2

chemical test.
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Heat test
.....
taste test
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1/2
Sample
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