| The process of chemical synthesis may involve a sequence of reactions. |  |                     |
|--|--|---------------------|
| (a)  | Use equations to show how ethyl ethanoate can be produced from ethene through successive processes of hydrolysis and esterification. | gh the<br>(4 marks) |
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| (b)  | Write the overall equation for the process of synthesising ethyl ethanoate from et   | thene.<br>(1 mark)  |
|  |  |                     |
|  |  |                     |

(5 marks)

**Question 30**