**Amines**

**2018**Many organic reactions take more than one step in order to convert from one organic molecule to another.
Two steps are required to produce pentan-2-amine from an alcohol.

Use the information given to analyse the reactions.

(i) Draw the structural formulae of the compounds, and name the reagents involved in the process, in the boxes on the next page.



(ii) Elaborate on the reactions in the scheme above.

In your answer you should identify:

• any conditions needed for each step of the conversion

• the names of alcohol **X** and organic molecule **Y**

• the type of reaction that is occurring for each step of the conversion.

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