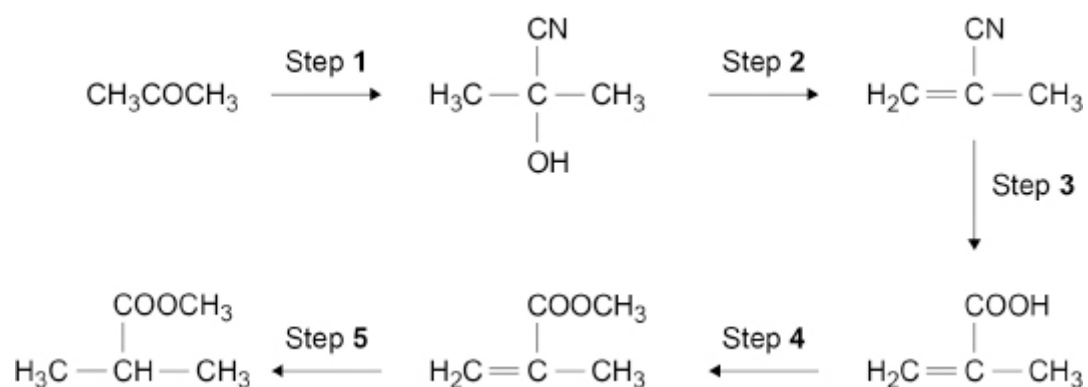


**Q1.**

Consider this reaction scheme.



Which step is shown with a correct reagent and a correct condition?

- A** Step 1 HCN dissolved in water
- B** Step 2 KOH dissolved in warm water
- C** Step 4  $\text{CH}_3\text{OH}$  with an alkaline catalyst
- D** Step 5  $\text{H}_2$  with a nickel catalyst

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(Total 1 mark)

**Q2.**

Compound **X** can be converted into an alcohol in a two-stage process.



What is the name of compound **X**?

- A** propene
- B** propanal
- C** methylbenzene
- D** ethanamide

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(Total 1 mark)