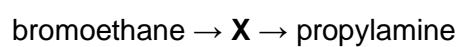


**Q1.**

A two-step preparation of propylamine is shown.



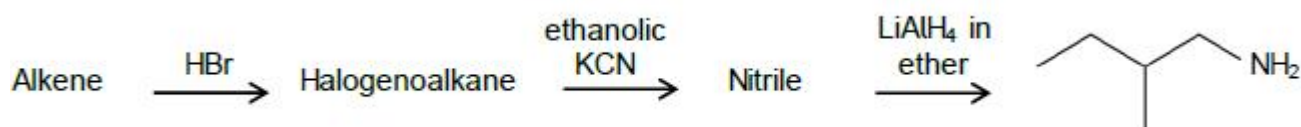
What is **X**?

- A  $\text{CH}_3\text{CH}_2\text{CH}_2\text{NH}_2$
- B  $\text{CH}_3\text{CH}_2\text{CN}$
- C  $\text{CH}_3\text{CH}_2\text{CH}_2\text{Br}$
- D  $\text{CH}_3\text{CH}_2\text{NH}_2$

(Total 1 mark)

**Q2.**

2-Methylbutylamine can be synthesised from an alkene.



What is the identity of the alkene?

- A But-2-ene
- B Methylpropene
- C 2-Methylbut-1-ene
- D 2-Methylbut-2-ene

(Total 1 mark)