• When alkene **A** is reacted with HBr, the major reaction product is **B**. However, a minor product, **C**, is also formed that is isomeric with **B**.

Marks 3

What is the structure of product **C**?

By describing an intermediate formed in this reaction, explain why less of C is formed than **B**.

Two possible intermediate carbocations can be formed. The tertiary carbocation is more stable and leads to the major product B, whilst the secondary carbocation is less stable and leads to the minor product C.

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