



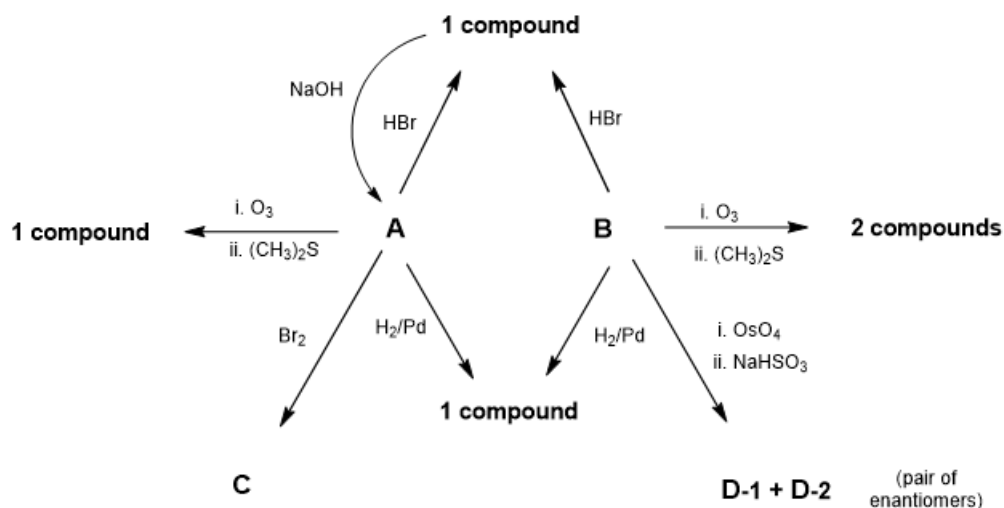
# ORGOREVIEW

## Question Vault

Welcome to orgoreview question vault. We have 5000 more problems for you to solve.

Share

Compounds A and B are alkenes of formula  $C_6H_{12}$ . Upon hydrogenation, alkenes A and B give the same compound. Upon addition of HBr, alkenes A and B give the same compound that can be converted back to A with sodium hydroxide. Bromination of A gives a single compound C. Dihydroxylation of B with osmium tetroxide gives a pair of enantiomers. Ozonolysis of A gives a single compound. Ozonolysis of B gives two compounds.



Draw structures of A, B, C, and D showing the proper stereochemistry of each molecule.

#### How to Reach Us

Todd's Test Prep  
2255 Glades Road  
Suite 324A  
Boca Raton, Florida 33431  
E-mail: [help@orgoreview.com](mailto:help@orgoreview.com)

#### Links

[Contact](#)

[Terms](#)

[Privacy Policy](#)

#### follow us



Copyright 2026. All Rights Reserved.