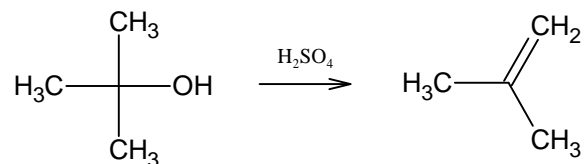


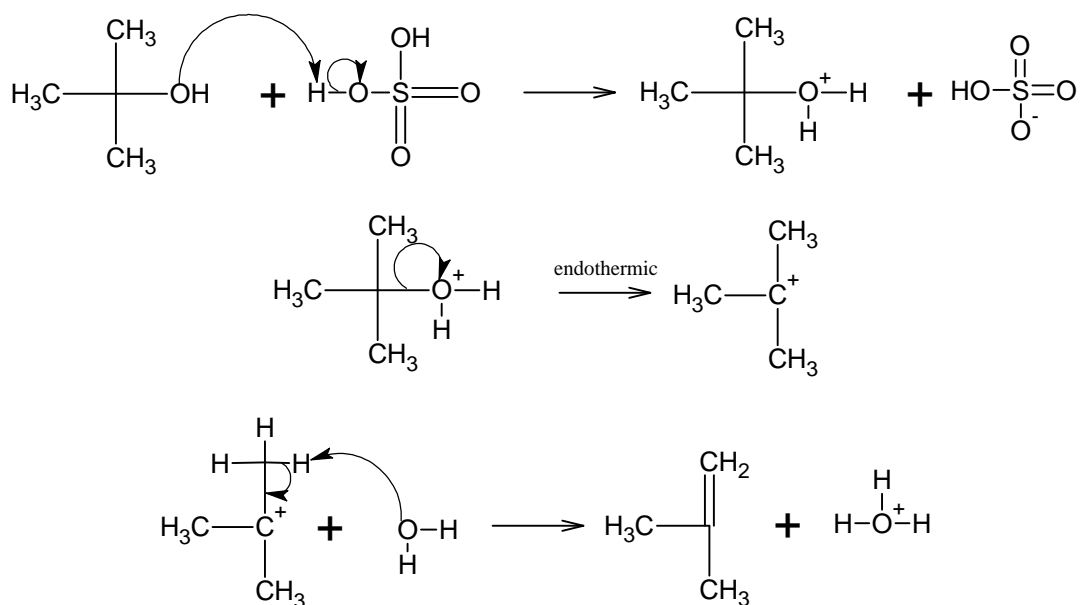
Reaction Name: E₁ Dehydration of 2-methylpropan-2-ol

Conversion: Alcohol to Alkene

General Form:



Mechanism:



Notes: This reaction is often referred to as acid catalyzed and for our elementary purposes this is correct because the reaction needs an acidic environment. The E₁ mechanism is only for secondary and tertiary alcohols. Rearrangement will occur in some cases so look out. Do not forget about Zaitsev and regioselectivity.

Examples: Francis (textbook) p 202.

References: Chip Le and the Textbook.

