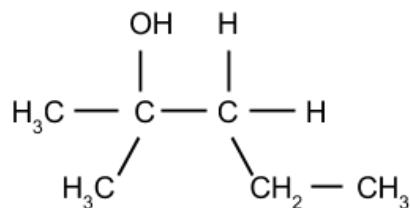
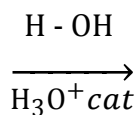
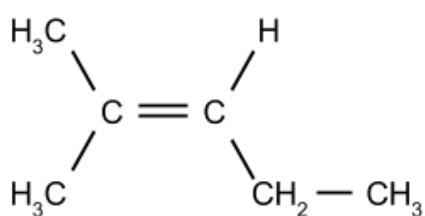
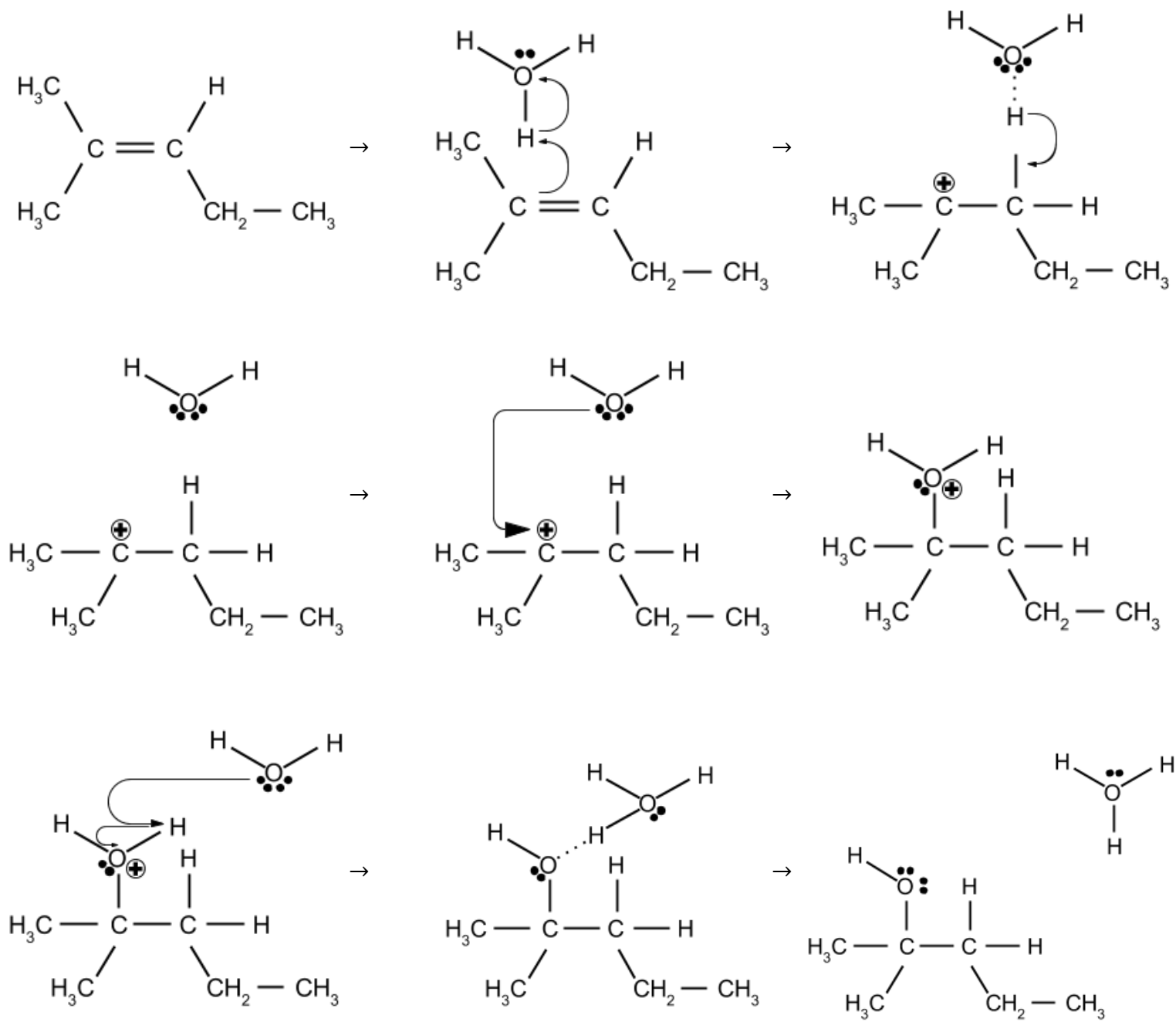


Water (Acid Catalyzed) Mechanism



Beginning 2 - methyl pen - 2 - ene

Ending pentane



Since reaction occurs in water there are plenty of H_2O molecules to be attacked by the carbocation. Dihydrogen Oxide becomes Hydronium and Hydronium can attack another 2 - methyl pen - 2 - ene molecule.