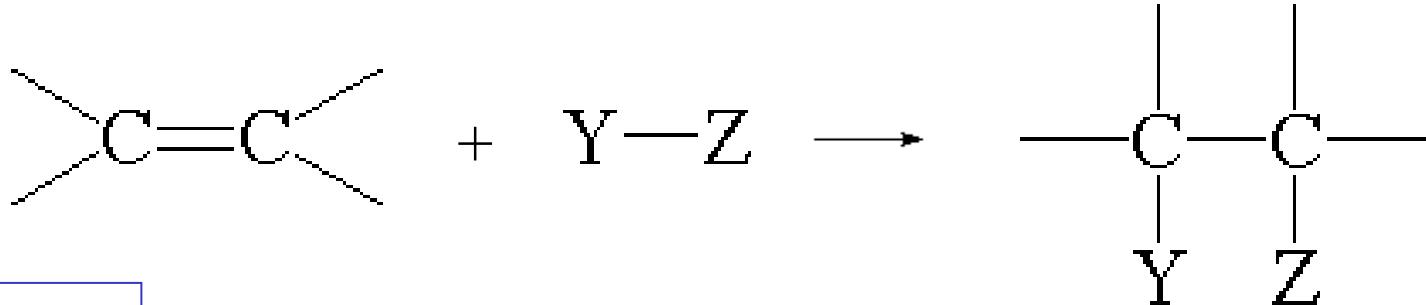


Review - Alkenes

addition reactions



$\boxed{\text{Y} - \text{Z}}$

$\text{H} - \text{X}$ hydrohalogenation Markovnikov

no catalyst

$\text{H} - \text{OH}$ hydration Markovnikov
 H^+ catalyst
homogeneous