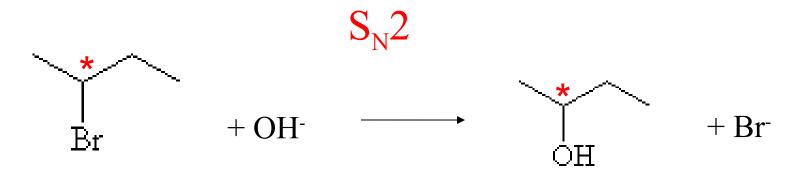
Nucleophilic Substitution



reaction is 1st order in C₄H₉Br
1st order in OH⁻

rate =
$$k [R - X][OH^-]$$

reactants are optically active products are optically active