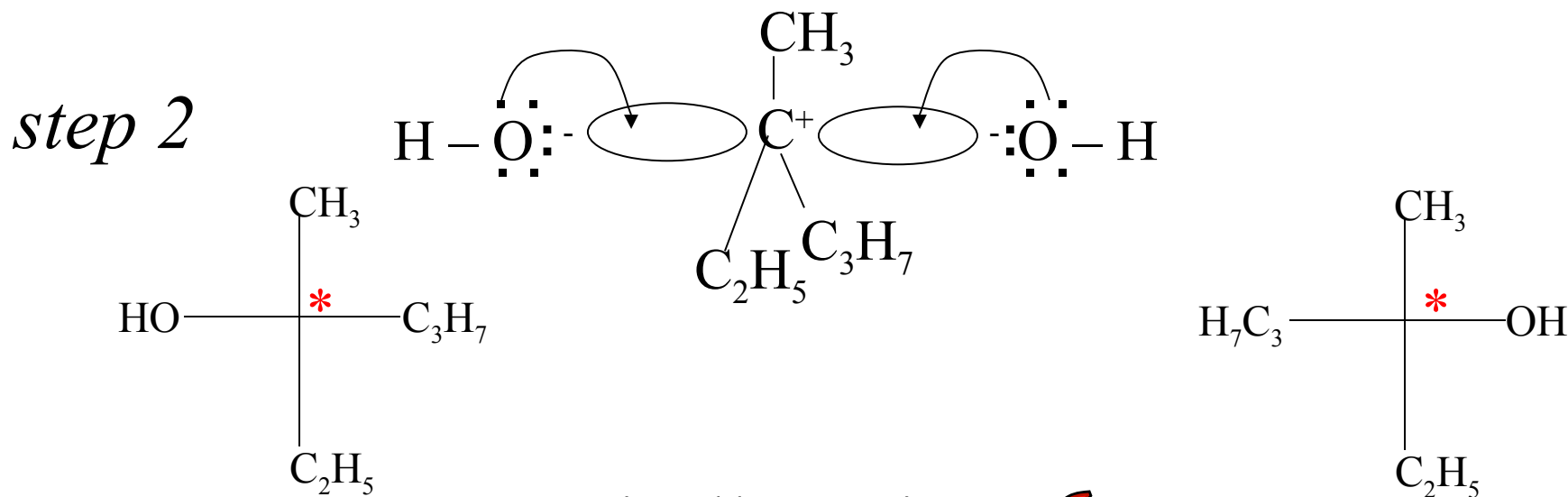
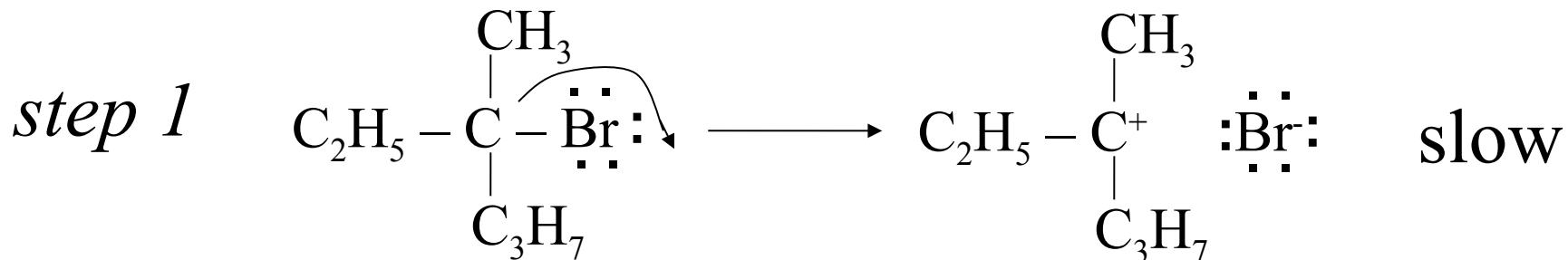


Nucleophilic Substitution

S_N1



reactants are optically active ✓

products are optically inactive ✓

$$\text{rate} = k [\text{R} - \text{X}]$$