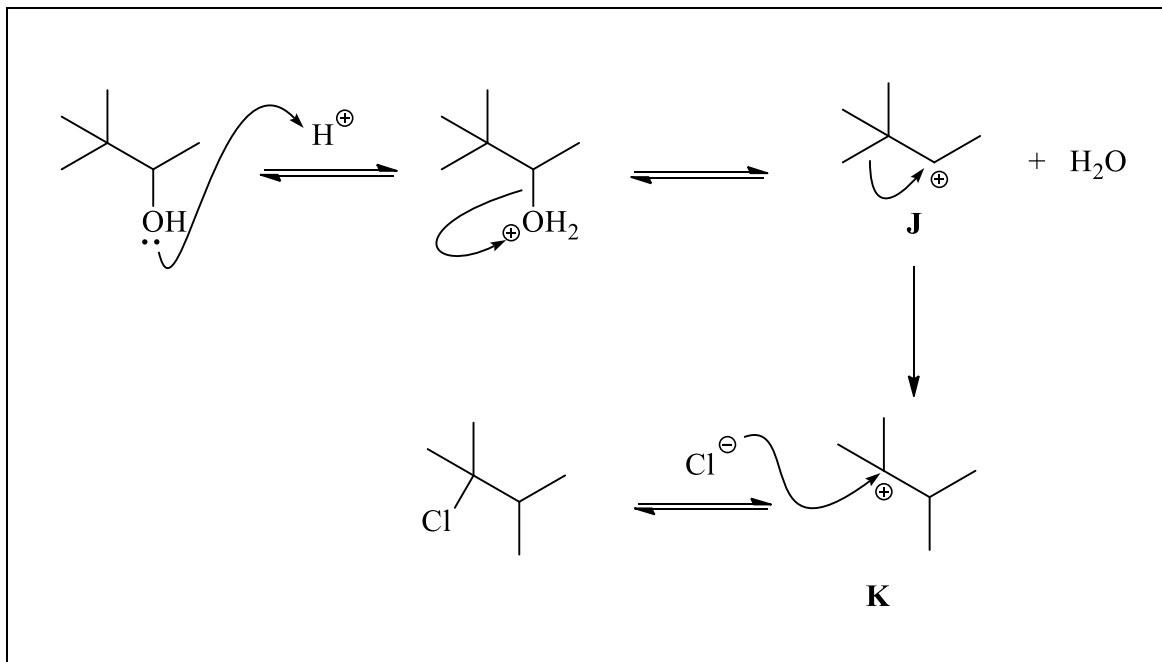


- Apply your understanding of curly arrows to complete a mechanism for the following S_N reaction:

**Mark
s
3**



Why does the rearrangement step (**J** \rightarrow **K**) occur?

K (the tertiary carbocation) is more stable than **J** (the secondary carbocation) as it is more substituted and hence more stabilised by hyperconjugation.