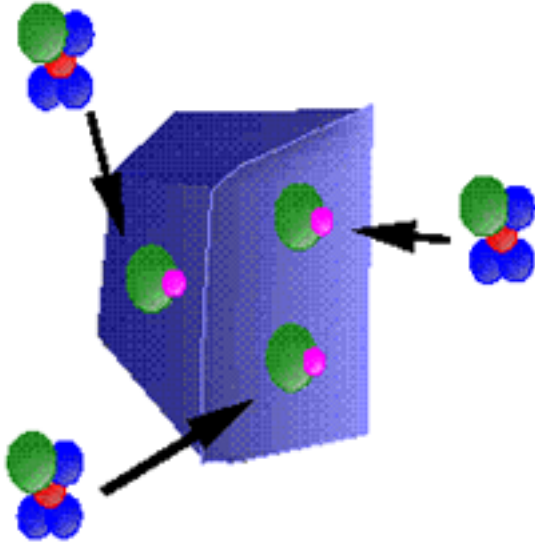
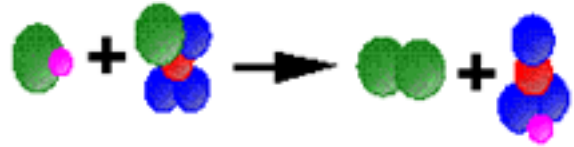


Polar Stratospheric Cloud Surface Reaction

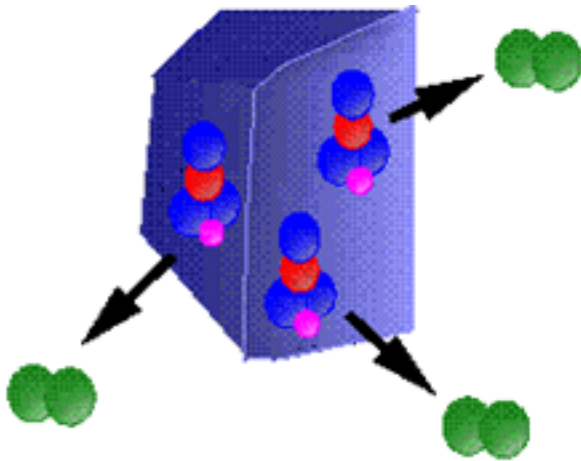
1. HCl and ClONO₂ collect on PSC



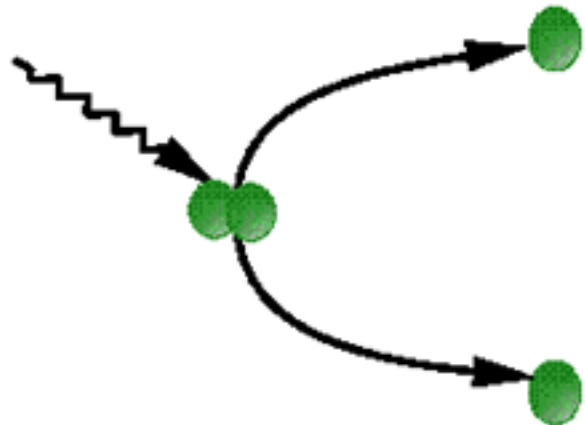
2. HCl and ClONO₂ react on PSC to form Cl₂ and HNO₃



3. Cl₂ comes off PSC, while HNO₃ remains on PSC to settle out of stratosphere



4. Cl₂ is photolyzed by visible wavelengths, and begins catalytic reaction

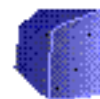


HNO₃

HCl



ClONO₂



Ice or HNO₃ - 3H₂O