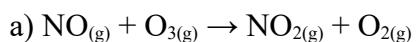


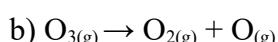
Problema 543: Indica a molecularidad de cada paso elemental siguiente e a súa ecuación de velocidade correspondente:

- a) $\text{NO}_{(\text{g})} + \text{O}_{3(\text{g})} \rightarrow \text{NO}_{2(\text{g})} + \text{O}_{2(\text{g})}$
- b) $\text{O}_{3(\text{g})} \rightarrow \text{O}_{2(\text{g})} + \text{O}_{(\text{g})}$
- c) $\text{CO}_{(\text{g})} + \text{Cl}_{2(\text{g})} \rightarrow \text{COCl}_{2(\text{g})}$



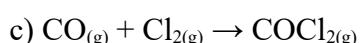
Reacción bimolecular

$$v = k \cdot [\text{NO}] \cdot [\text{O}_3]$$



Reacción unimolecular

$$v = k \cdot [\text{O}_3]$$



Reacción bimolecular

$$v = k \cdot [\text{CO}] \cdot [\text{Cl}_2]$$