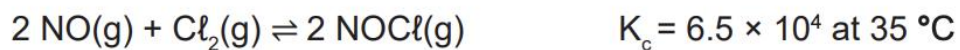


20. Consider the following reversible reaction:



Which of the following statements describes the relative concentrations of reactants and products in this system when equilibrium is established in a closed vessel at 35 °C?

- (a) The concentrations of reactants and products will be equal.
- (b) There will be a greater concentration of products than reactants.
- (c) The reactant concentration will be greater than that of the products.
- (d) The concentrations of NOCl and NO will be double the concentration of Cl₂.