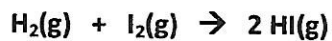


RICE Table Problems 2 continued

3) For the reaction:



the equilibrium constant, K_{eq} , is 55

If the initial concentration of the hydrogen and iodine before reacting were both 0.1 mol/L and no HI was present, what is the hydrogen iodide concentration in mol/L at equilibrium?

4) For the reaction:



the equilibrium concentration of a A, B, C and D in mol/L are respectively $0.11 - x$, $0.11 - x$, and x and x . The equilibrium constant for the reaction is 100. What is the concentration for C in mol/L at equilibrium?