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0 5	Nitrogen monoxide reacts with chlorine to form nitrosyl chloride (NOCl).	
	$2NO(g) + Cl_2(g) \rightleftharpoons 2NOCl(g)$	
0 5.1	1.50 mol of NO are mixed with 1.00 mol of $Cl_2$ and the mixture is left to reach equilibrium at a given temperature. The equilibrium mixture contains 0.350 mol of NOCl	1
	Calculate the amount, in moles, of NO and of $\operatorname{Cl}_2$ in the equilibrium mixture.	[2 marks]
	Amount of NO	mol
	Amount of Cl <sub>2</sub>	mol
0 5.2	Give the expression for the equilibrium constant, $K_c$ , for the reaction between nitrogen monoxide and chlorine to form nitrosyl chloride.	[1 mark]
	K <sub>c</sub> =	



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Amount of NOCl mol

Turn over for the next question



Turn over ►

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