• Cisplatin, [Pt(NH ₃) ₂ Cl ₂], is a particularly effective chemotherapy agent against certain types of cancer. Calculate the concentration of $Pt^{2+}(aq)$ ions in solution when 0.075 mol of cisplatin is dissolved in 1.00 L of a 1.00 M solution of NH ₃ . K_{stab} of [Pt(NH ₃) ₂ Cl ₂] = 3.4×10^{12} .				Marks 5
		Answer:		
What changes would occur to the values of K_{stab} for cisplatin and the concentration of $\text{Pt}^{2+}(\text{aq})$ ions if solid KCl were dissolved in the above solution?				
K _{stab}	increase no	change	decrease	
[Pt ²⁺ (aq)]	increase no	change	decrease	