Marks • Zinc sulfate (0.50 g) is dissolved in 1.0 L of a 1.0 M solution of KCN. Write the 3 chemical equation for the formation of the complex ion $[Zn(CN)_4]^{2-}$. Calculate the concentration of $Zn^{2+}(aq)$ in solution at equilibrium. Ignore any change in volume upon addition of the salt. K_{stab} of $[Zn(CN)_4]^{2-} = 4.2 \times 10^{19} \text{ M}^{-4}$. Answer: