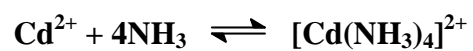


- Write the chemical equation for the formation of the complex ion $[\text{Cd}(\text{NH}_3)_4]^{2+}$.

Marks
2

Write the associated stability constant expression (K_{stab}).

$$K_{\text{stab}} = \frac{[[\text{Cd}(\text{NH}_3)_4]^{2+}]}{[\text{Cd}^{2+}][\text{NH}_3]^4}$$