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- Consider the compound with formula $[\text{Ni}(\text{en})_2(\text{H}_2\text{O})_2]\text{Br}_2 \cdot 2\text{H}_2\text{O}$.
(en = ethylenediamine = $\text{NH}_2\text{CH}_2\text{CH}_2\text{NH}_2$).

Marks
3

Write the formula of the complex ion.

Write the symbols of the ligand donor atoms.

What is the *d* electron configuration of the metal ion in this complex?