Coordination chemistry is the study of compounds formed between metal ions and other neutral or negatively charged molecules such as $[\text{Co(NH}_2\text{CH}_2\text{CH}_2\text{NH}_2\text{)}_2\text{ClNH}_3]^{2+}\text{Cl}^2-$. In this formulation, $\text{Co(NH}_2\text{CH}_2\text{CH}_2\text{NH}_2\text{)}_2\text{ClNH}_3]^{2+}$ is known as a metal complex, which is a charged species consisting of metal ion bonded to one or more groups of molecules. The bonded molecules are called ligand. The little picture shown here depicts a structure of a 6-coordinated complex.