Coordination chemistry is the study of compounds formed between metal ions and other neutral or negatively charged molecules such as $[\text{Co(NH}_2\text{CH}_2\text{CH}_2\text{NH}_2\text{)}_2\text{CNH}_3\text{]}^{2+} \text{Cl}_2^{2-}$. In this formulation, Co(NH$_2$CH$_2$CH$_2$NH$_2$)$_2$CNH$_3$]$_{2+}$ 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.

- Intro to Coordination Chemistry
- Isomers
- Ligands
- Nomenclature of Coordination Complexes