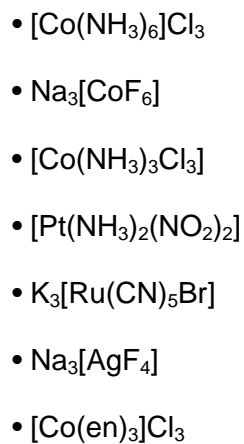


Name:

1. Provide **IUPAC names** for the following compounds:



2. Give examples of **monodentate**, **bidentate** and **polydentate** ligands and give examples of transition metal complexes which contain these ligands.

3. Why are **metal chelate** complexes particularly stable?

4. What is the maximum number of **unpaired d electrons** that a transition metal atom or ion may possess? Provide an example of a transition metal complex with this metal in it.

5. What is the **coordination number** and **oxidation state** at the transition metal in each of the following complexes?

