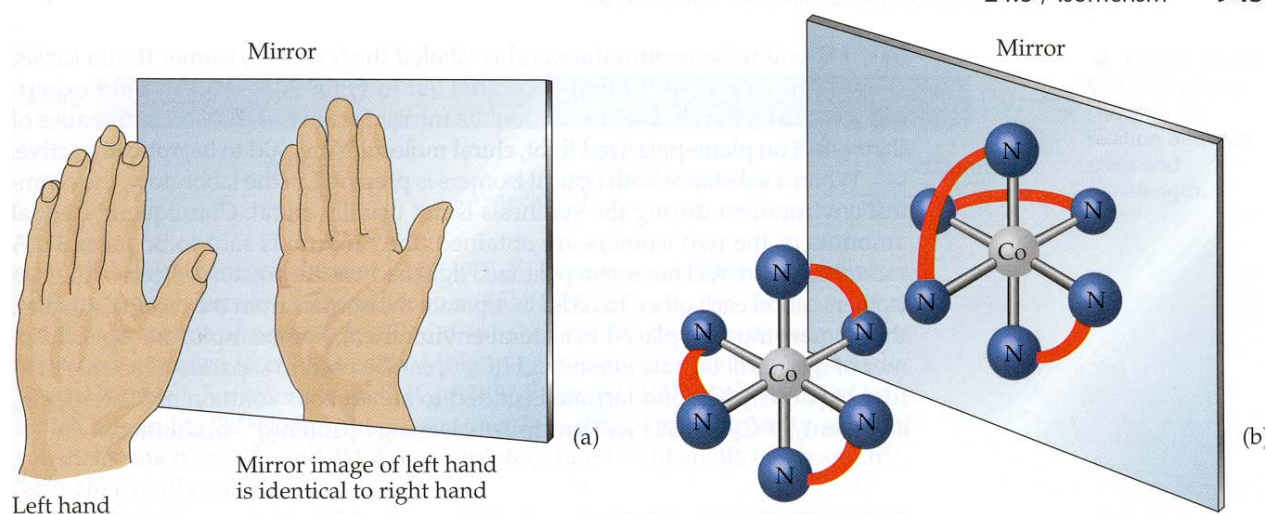


# Metals and their Compounds

## Lecture 7.5

### Coordination compounds

Another type of isomerism is found especially with *chelate* ligands such as ethylene diamine. This is known as *optical isomers* - these isomers are *mirror images* of one another.



This type of isomerism is *extremely* common in organic and biological molecules. Is of central importance in all bio-chemical processes e.g. the actions of drugs, origin of life.

Called optical isomers because they can only be distinguished thru their property of rotating *plane polarised light* (see BLB p 943)