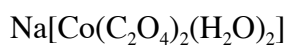
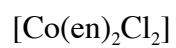
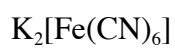
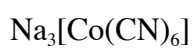
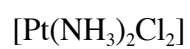
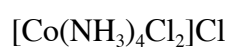
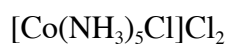


Name \_\_\_\_\_

Period \_\_\_\_\_

**Independent Study Unit  
Structures of Complexes and Isomers Assignment**

First we will just draw structures for the following species:



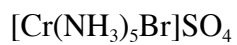
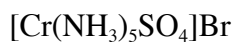
**Isomers**

We need to look at ways to assemble the species!

What is an isomer?

First what is a Coordination Isomer?

Now draw:



Now what is a Linkage Isomer?

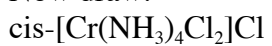
Now draw:



What are Stereoisomers?

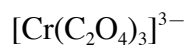
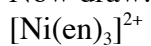
What are Geometric Isomers?

Now draw:



Finally what are Optical Isomers?

Now draw:



Show why they are optically active.