Transition metal complexes
Guidelines for the work in groups

What you have to do

You are going to study one aspect of transition metal complexes. You will be assigned to a group where you will all become **Expert** in one of the following topics:

a. the bonding in complexes, including those with polydentate ligands
b. how to name complexes
c. the shapes of complexes
d. ligand exchange and stability constants.

Tasks in the **Expert** group

In your group, help each other prepare to teach the other students in the class about your topic.

- Read about your topic.
- Discuss the teaching process:
  - What are the main points to get over?
  - What additional points do I need to include?
  - What diagrams will help me explain my ideas?
  - What sequence will I teach points in?
  - What questions can I ask to make sure that other students have understood?
- Make brief notes that will help you teach your topic.
- Write questions to ask other students.
- Draw useful diagrams (perhaps on a mini whiteboard).

Ground rules in the **Teaching group**

In the **Teaching** group, there is one person from each of the four different **Expert** groups. Each **Expert** takes turns to explain their topic.

- While someone is talking, everyone else must listen and take notes.
- The **Expert** will ask questions to check that everyone understands.
- Other students can ask questions if something is not clear.
- All students must write notes on all four topics.