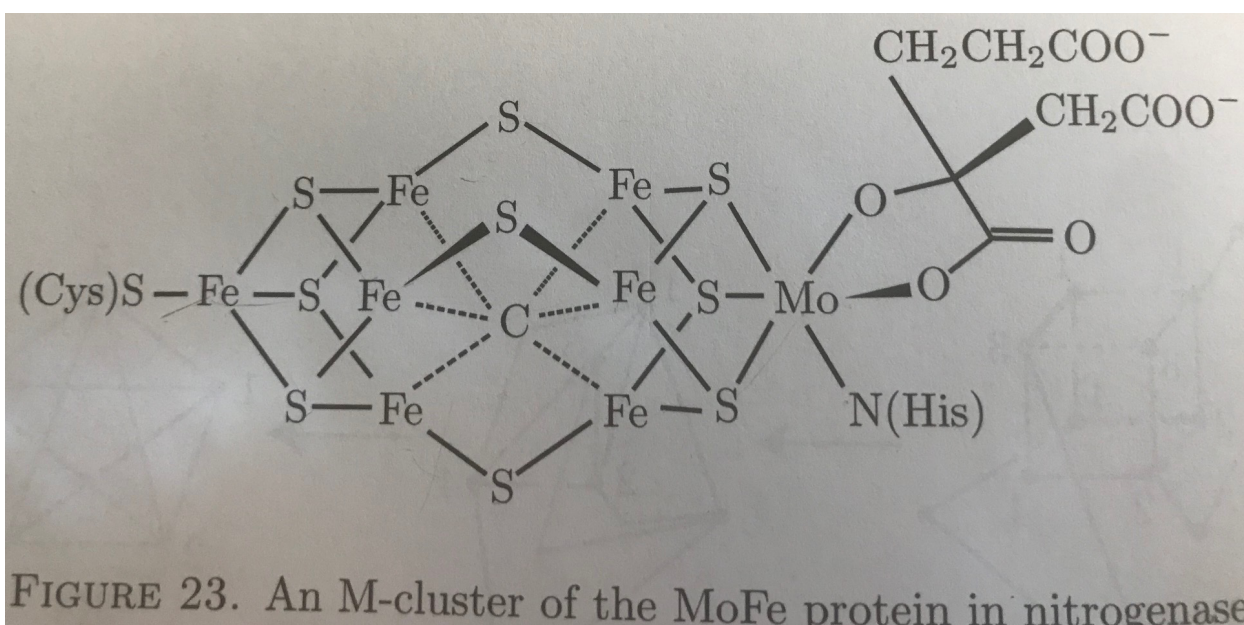


Chemistry in Planes... or not

While working in a group make sure you:

- Expect to make mistakes but be sure to reflect/learn from them!
- Are civil and are aware of your impact on others.
- Assume and engage with the strongest argument while assuming best intent.



1. Identify what portions of the M cluster are above the page.
2. Show that M cluster is not planar by finding a $K_{3,3}$ as a graph minor. Suggestions to help you with this are below.
 - (a) If we are going to find a graph of $K_{3,3}$ as a graph minor, how many bonds must an atom have to serve as a vertex in $K_{3,3}$? Identify these.
 - (b) More available bonds might increase our chances of finding $K_{3,3}$ so identify any atoms with the most bonds.
 - (c) Use the above information to try and find the graph of $K_{3,3}$ as a minor.

3. Is the three rungged Möbius ladder planar?

