***A First Look at Coordination Compounds***

In this course, we will spend a significant amount of time looking at representations of coordination complexes and the different components of these substances. In this activity, you will look at the crystal structure of a cobalt coordination complex and the information about this structure is provided below.

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| **CCDC Database Identifier** | CLECOC |
| **Digital Object Identifier (DOI)** | <https://www.ccdc.cam.ac.uk/structures/Search?Ccdcid=CLECOC&DatabaseToSearch=Published> |

Note that This structure, and many others, can be accessed from the Cambridge Crystallographic Data Centre’s Access Structures website (<https://www.ccdc.cam.ac.uk/structures/>).

A screenshot of the structure of the coordination complex is provided in the space below.

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1. Please list 3 things that you notice about the structure.
2. Please list 2 or 3 questions about the structure that you would like to have answered.