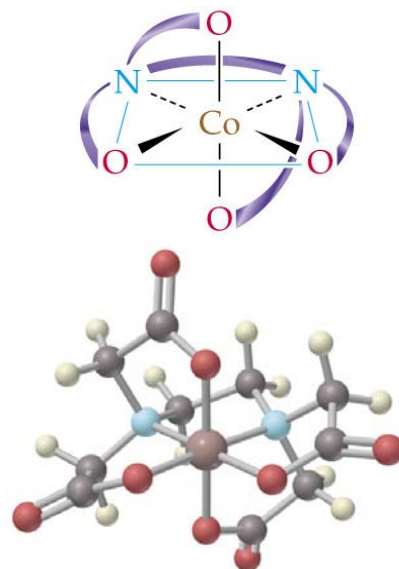


Name:

1. Draw a line-angle structure of the following **nucleoside** : 2'-deoxyadenosine and the following **nucleotide** : thymidine-5'-monophosphate
2. Explain what **denaturing** a protein involves and list 3 different methods of denaturing a protein.
3. Draw structures of two **monodentate anionic ligands** and a **bidentate neutral ligand**.

4. Using the **Co(EDTA)⁻** complex as an example explain the following terms.

- Coordination geometry
- Chelate ring
- Polydentate ligand



5. What is a **proenzyme**? Provide an example to illustrate your answer.

6. Draw a structure of **Vitamin A** and indicate the biochemical function for this molecule.