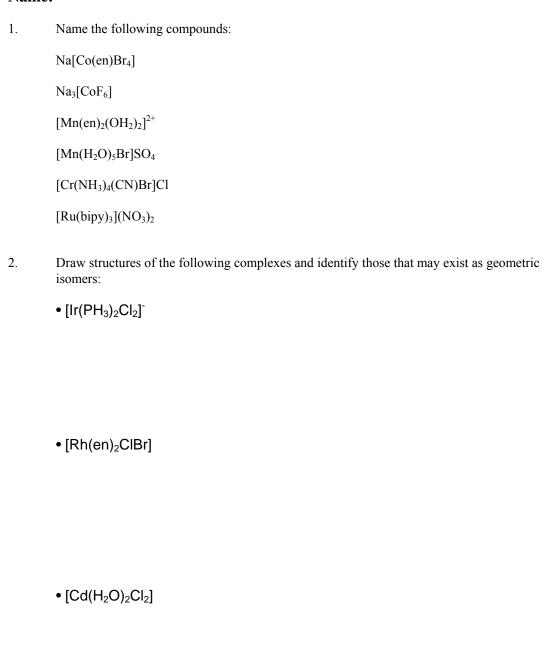
CH1012 Tutorial 3

Name:



3.	 In metal complexes the ligands which are attached to the metal centre may be classified as either monodentate or polydentate. What do the terms monodentate and polydentate mean. Explain the key features of a polydentate ligand using a trien iron complex as an example - include the donor atoms and the chelation effect in your answer.
4.	Describe the bonding in transition metal coordination complexes using a Lewis acid / Lewis base description of coordinate covalent bonding . • Sketch a tetrahedral zinc complex to illustrate your answer.
5.	What is hemoglobin and how does it function at a molecular level as an oxygen transport protein?
	4.