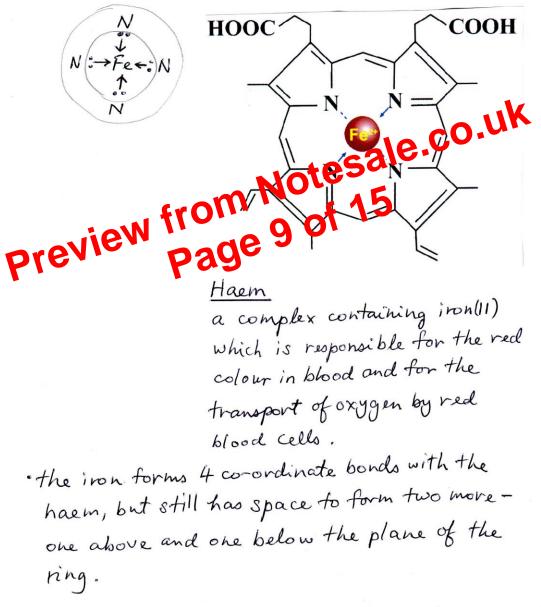
A guadridentate ligand · a quadridentate ligand has 4 love pairs, and all of which can bound to the central metal ion. · example in harmoglobin.

· iron ion trapped in the haven structure



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Co-ordination number & shape · the shape of a complex is governed by the number of ligands around the central ion. · the co-ordination number gives the number of ligands around the central ion. · a change of ligand can affect the co-ordination

number.

1		and the second
shape	example	model
	$[Cu(H_20),]^{2+}$	ecc.uk
rom 1 200 dral	3 0¹ [CuCl4] ²⁻	
Square planar	Pt(NH3)2Cl2	
linear	[Ag(NH3)2]*	& - A g- &
	octahedral rom reasonal reasonal square planan	octahedral $[Cu(H_20)_{2}]^{2+}$ ron ron ron ron ron ron ron ron

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