

<ul style="list-style-type: none">• Can methane act as a ligand? Explain your answer.	Marks 2
<ul style="list-style-type: none">• Fe(II) generally forms octahedral complexes. How many different complex ions can be formed when $\text{Fe}(\text{NO}_3)_2$ is dissolved in an aqueous solution of sodium oxalate? The structure of the oxalate ligand is shown below. <div data-bbox="635 546 813 689"></div>	4
	Answer:
Draw diagrams of any 3 of these complexes, including at least one that is chiral.	