

Marks
9

- Complete the following table.

Coordination compound	Oxidation number of transition metal	Number of <i>d</i> electrons around transition metal	Arrangement of <i>d</i> electrons
$\text{K}_2[\text{PtCl}_4]$			
$\text{Na}[\text{MnO}_4]$			
$(\text{NH}_4)_2[\text{CoCl}_4]$			
$[\text{Cr}(\text{NH}_3)_5(\text{OH}_2)]\text{Cl}_3$			

Identify one paramagnetic and one diamagnetic species from the above table.

Paramagnetic:	Diamagnetic:
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