

Sulphur :-

Crystalline

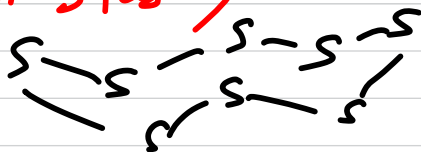
1. Rhombic (α)
2. Monoclinic (β)

(Not soluble in CS_2)
(Non dissolves in water)

Rhombic Sulphur
(α) (granular solid)



(Th. most stable)



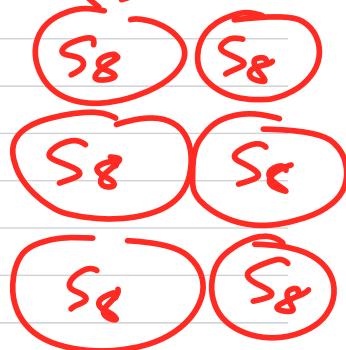
$\mu = 0$

Amorphous

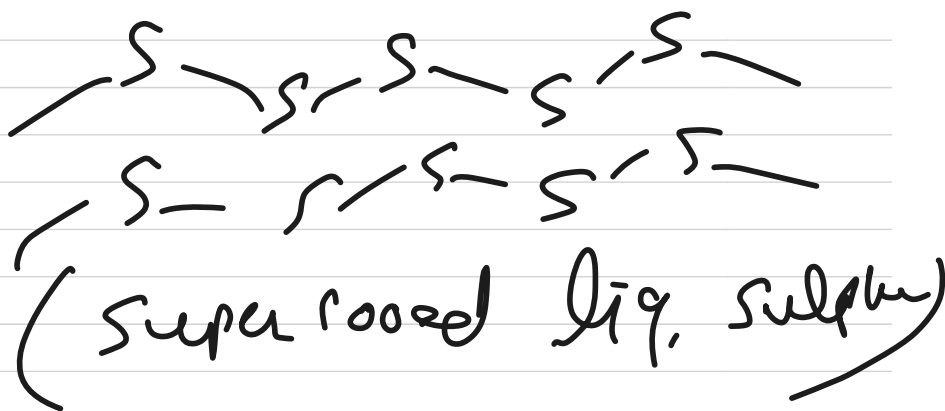
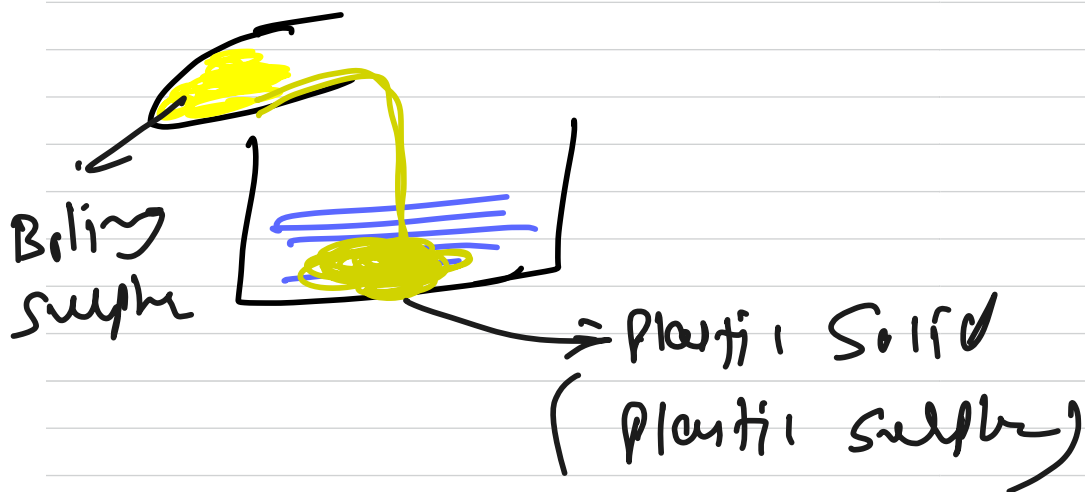
1. Plastic sulph
2. Colloidal sulph

95.6°C

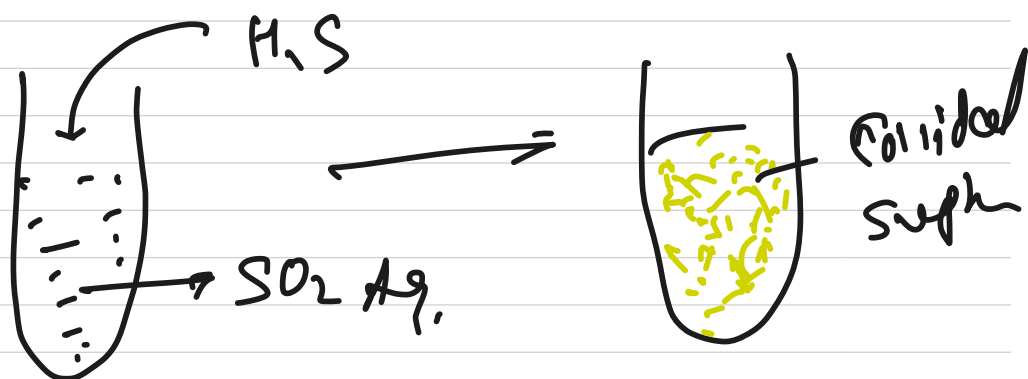
Monoclinic
(β) (needle shaped crystals)



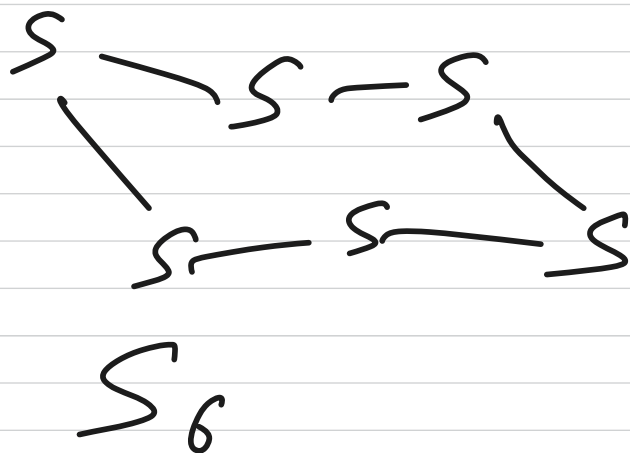
Plastic sulphur:-



Colloidal sulphur



Angel sulphur.



Vapor of (S_2) sulphur contains small amt of



(Blue) $n=3A_4=n=38$
(Paramagnetic)

Only one correct :

1. **Ans. (D)**

2. **Ans.(C)**

3. **Ans. (C)**

4. **Ans.(A)**

Paragraph for Q. No. 5 to 6

5. **Ans.(C)**

6. **Ans.(D)**

One or more than one option(s) is/are correct

7. **Ans.(A, B, D)**

8. **Ans. (A, D)**

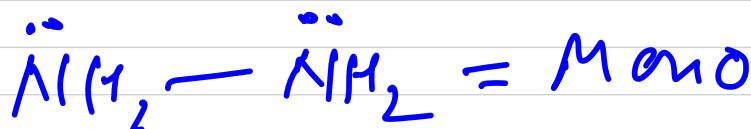
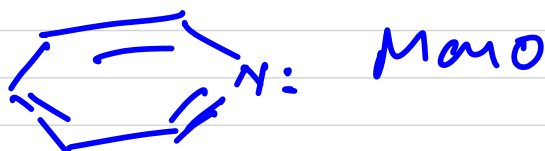
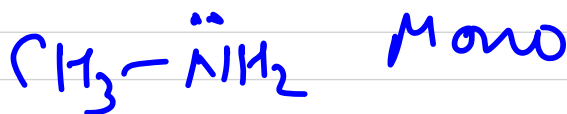
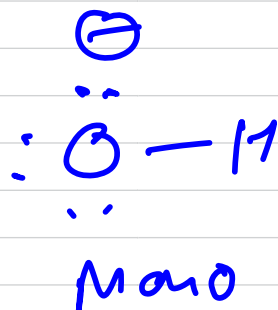
Subjective :

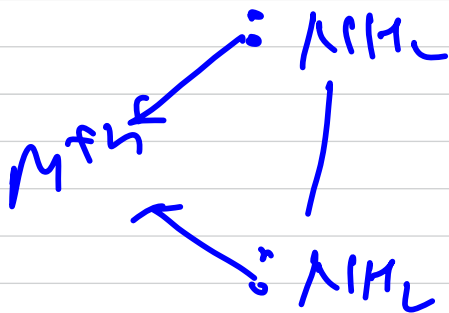
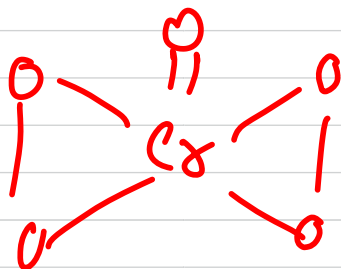
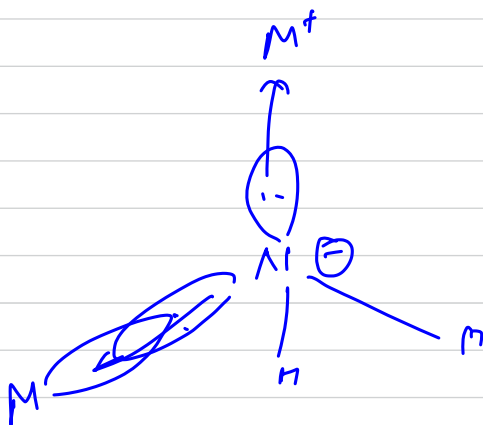
9 **Ans. (5)**

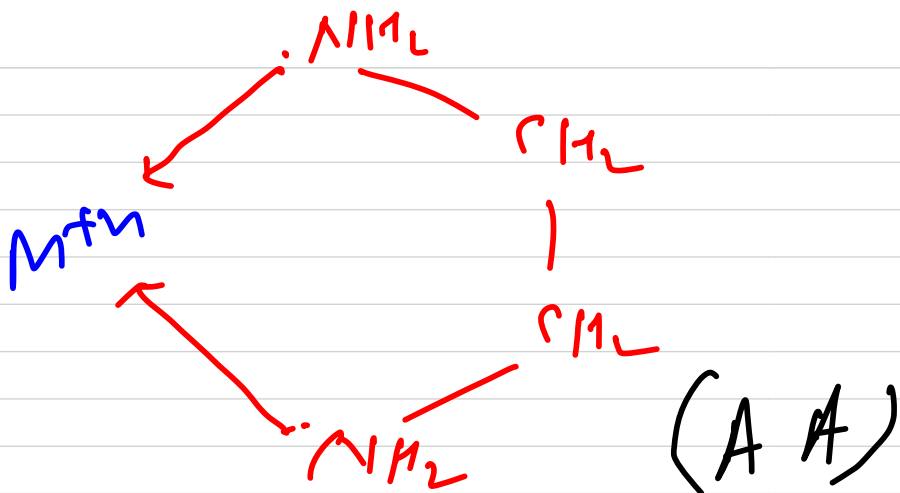
10. **Ans (3)**

11. **Ans.(4)**

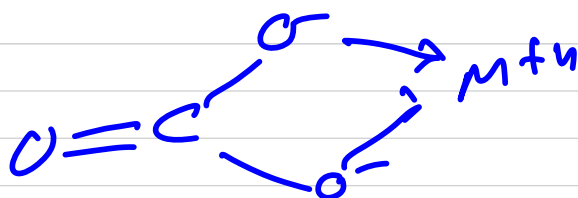
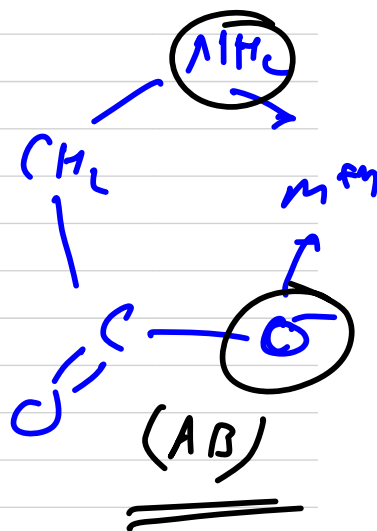
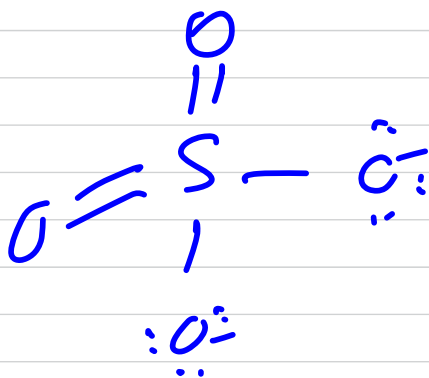
Classification of ligand on the basis of denticity

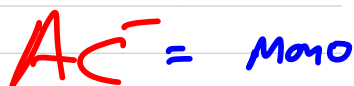
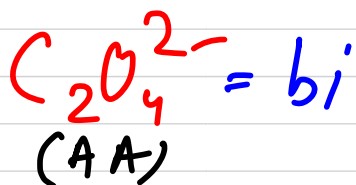
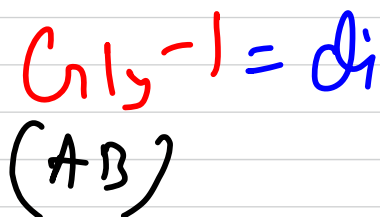
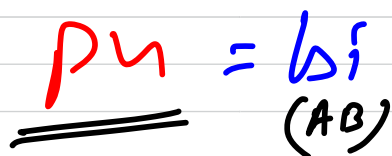
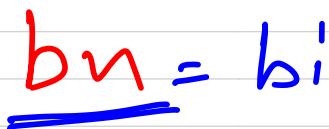
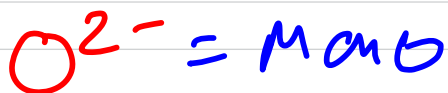






en = bidentate/didentate





Oxine⁻¹ bi
(AB)

Imda²⁻
(imido diacetate)
(tridentate)

acac⁻¹
(bidentate)
(AA)

fu
(bidentate)

dien = tridentate

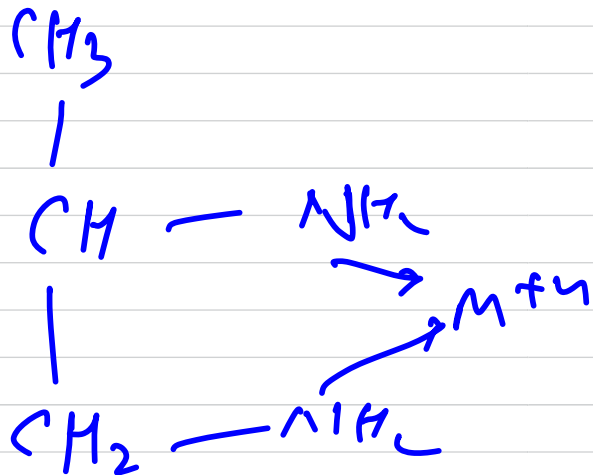
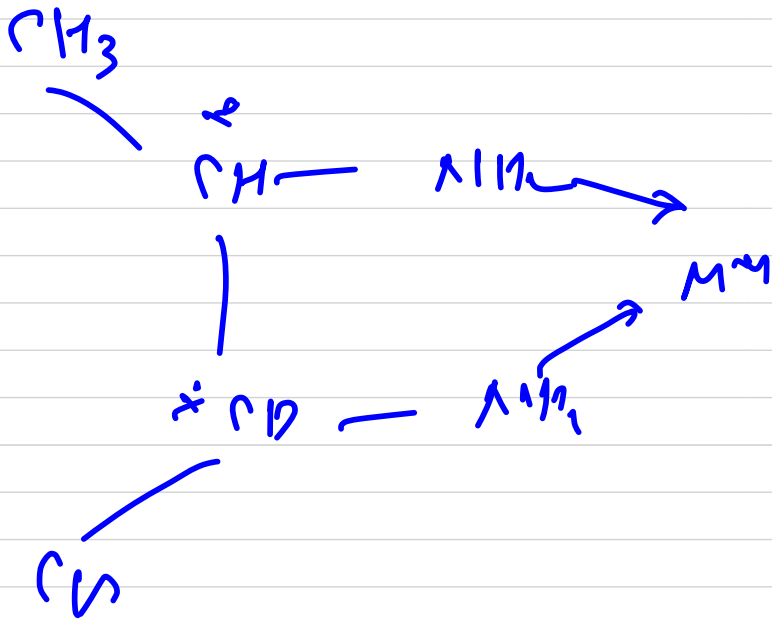
EDTA⁴⁻
(hexa)

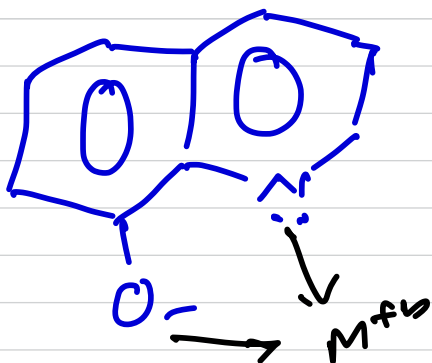
trien = tetra
triethylen tetraamine

DTPA⁵⁻

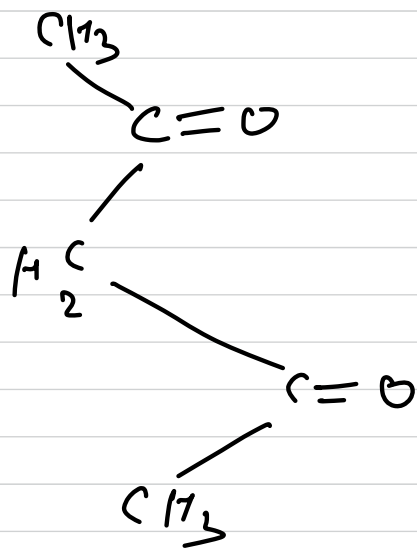
nta³⁻ = tetra
(nitro triacetate)

amp⁻¹

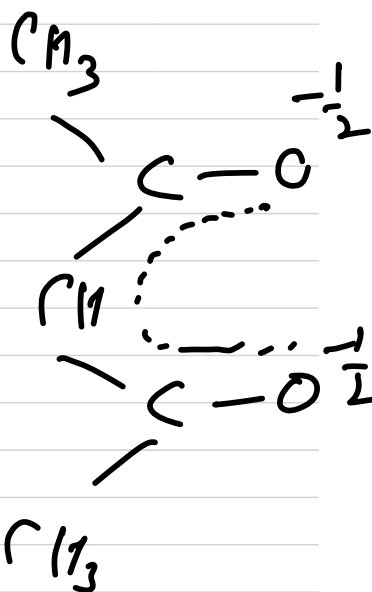
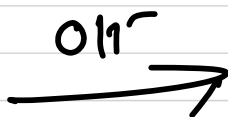




oxine-1

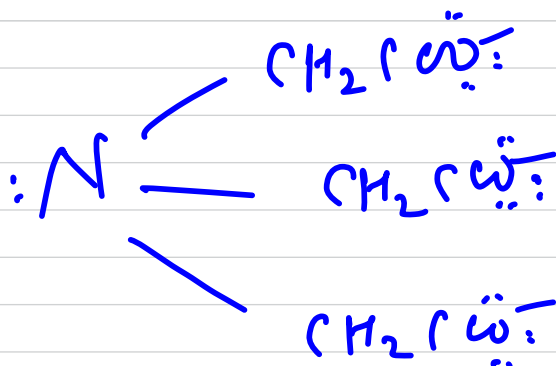


acetylaldehyde

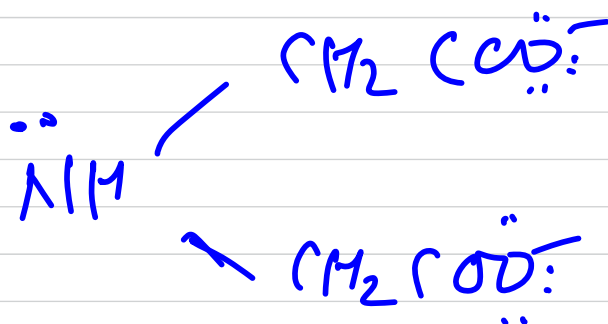


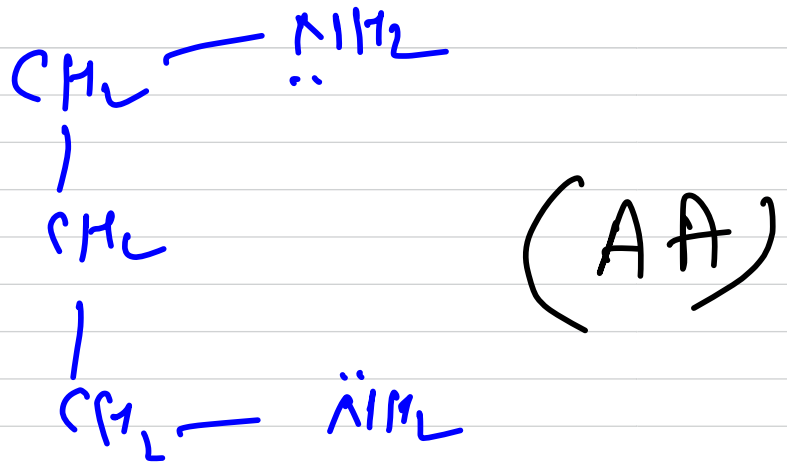
acetyl

acetyl acetate ion

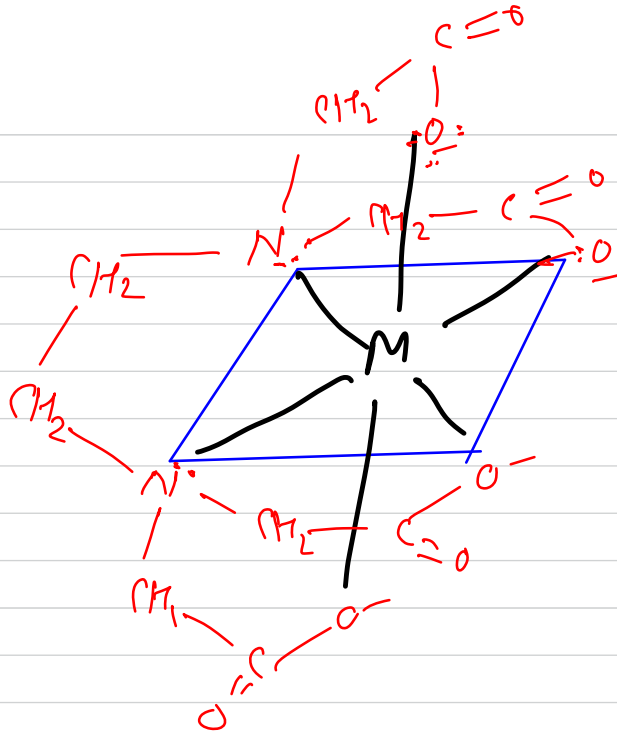


(Nitro triacetate)

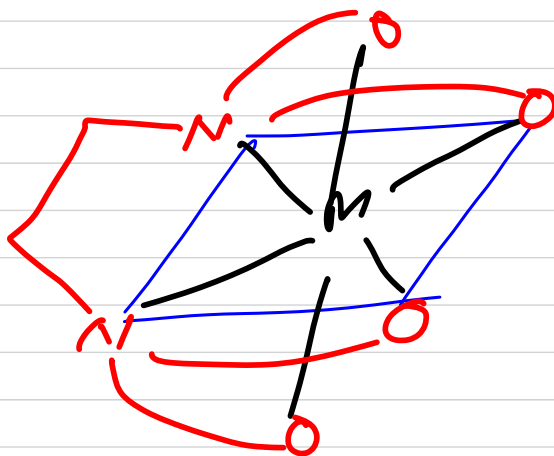


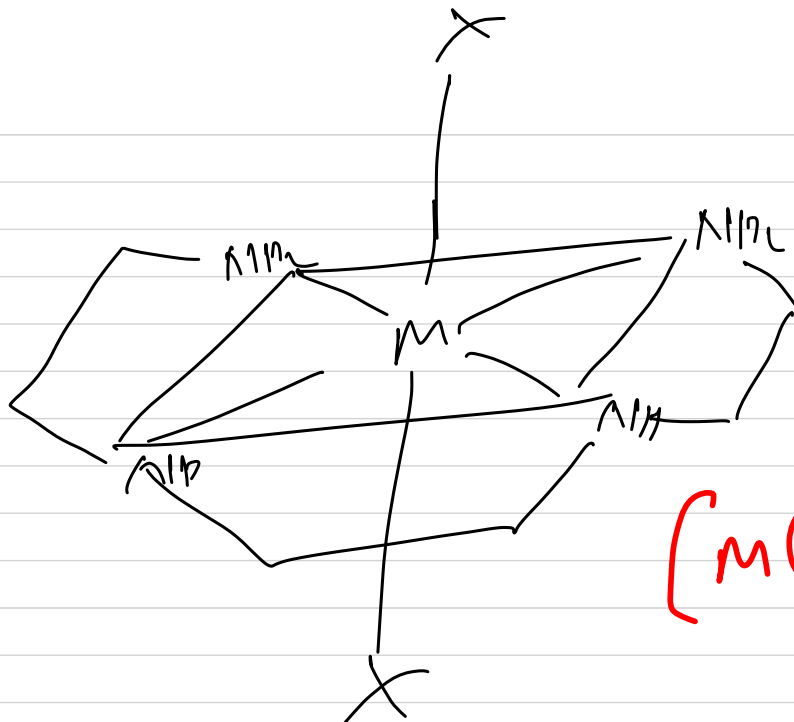


tu (trimethylen diamine)
(bidentat)

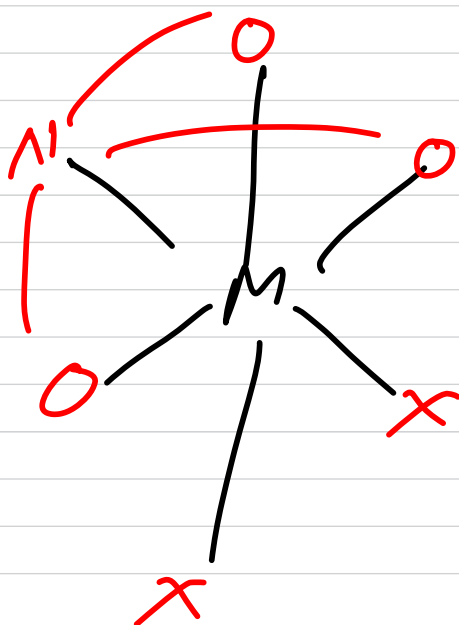


(Total Σ number $\text{Pg} = 5$)





$[M(\eta^5\text{Cp})\text{X}]$

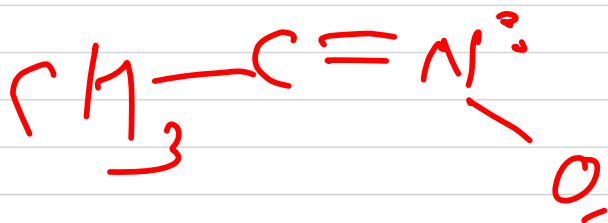
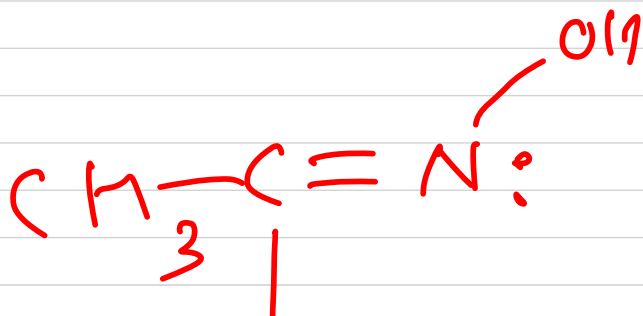


$[M(\eta^5\text{Cp})\text{X}_2]$

$\eta^5\text{Cp}$

Omg^{-1}

dimethyl glyoximate



(bidentate)

Algorithms of SN
+

(Ex-1 All)

+
(Paper discussion)