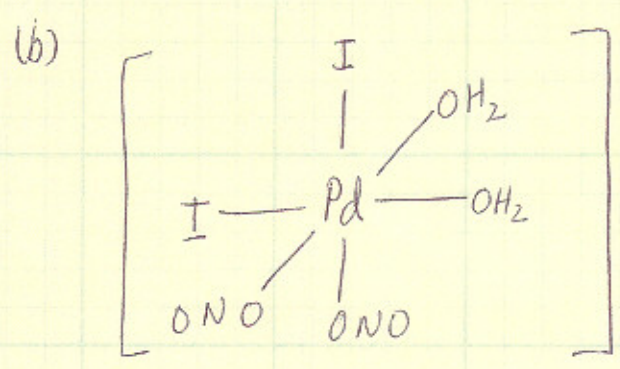
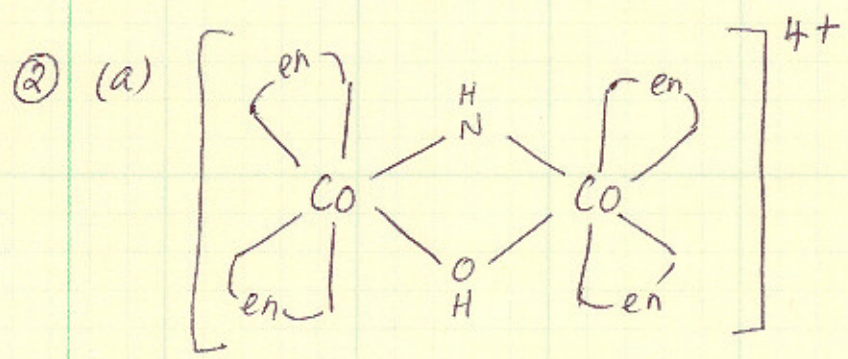


ATOMS, MOLECULES & RESEARCH

COORDINATION CHEMISTRY - SPRING - WEEK 1

Chapter 9

- ① a. dicyanotetramethylisocyanocobalt(II)
- b. rubidium tetrafluoroargentate(III)
- c. carbonylchlorobis(triphenylphosphine)iridium(I)



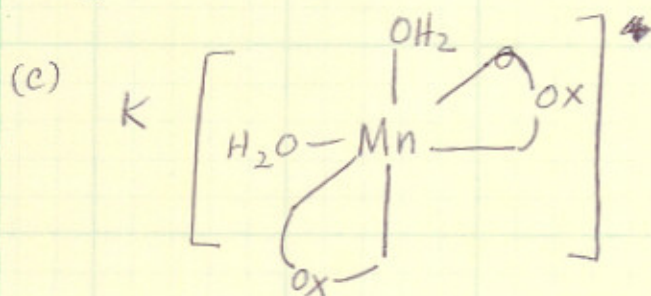
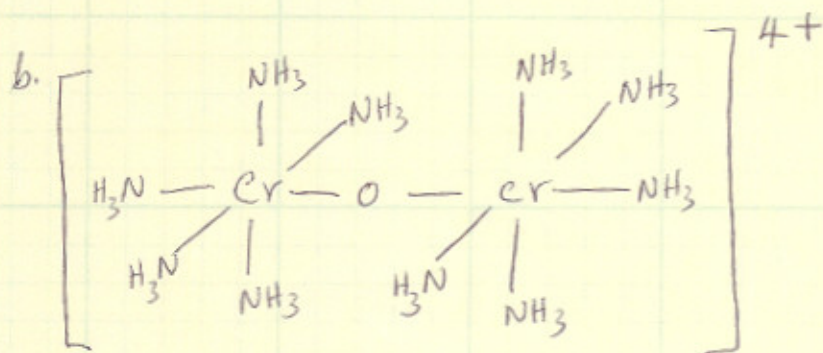
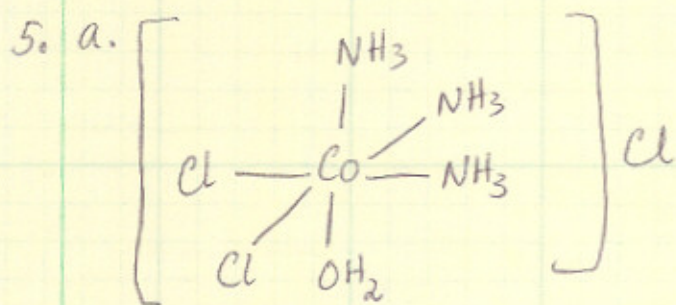
- ④ a. pentammineazidocobalt(III) sulfate
- b. sodium tetrachloroaluminate(III)
- c. carbonatobis(ethylenediamine)cobalt(III) chloride

-2  
+6

-1  
-1  
-2  
-4

+2

-1



-2  
+6

-1  
-1

- 10 a. triamminetrichloroplatinum(IV) ion  
 b. diamminediaquadichlorocobalt(III) ion  
 c. diamminediaquabromochlorocobalt(III) ion  
 d. triaquabromochloroiodochromium(III)  
 (e) dichlorobis(ethylenediamine)platinum(IV) ion  
 (f) diamminedichloroortho-phenanthralinechromium(III) ion  
 (g) bis(bipyridine)bromochloroplatinum(IV) ion  
 (h) tris(methyldithiocarbamate)iron(III)  
 (i) If you wrote dibromodiarphosphorhenium(II)  
 it is o.k.

The "correct" name is  
 dibromo[orthophenylene(dimethylarsene)(dimethylphosphine)  
 rhenium(II)]

(j) dibromochloro diethylene triamine rhenium (III)

(12) a) tetrammine copper (II) ion

b) tetrachloroplatinate (II) ion

c) tris(dimethyl dithiocarbamate) iron (III)

d) hexacyanomanganate (II) ion

e) nonahydridorhenate (VII) ion

f) diammine silver (I) tetrafluoroborate (III)

g) ~~dicyano <sup>tetra</sup> dimethylisocyanide~~

g) dicyano tetra methylisocyanide iron (II)

h) carbonate bis(ethylene diamine) cobalt (III) bromide

i) pentammine azido cobalt (III) sulfate