## Organomebilik

Teminday: . Complex mostly has Metal is come

, light = bout to the Co-plan

· Coordination numbe = number of light

=> Happicity of a ijand of the many atoms are involved in the birding to the Metal

18et in cupler unalogs to 8e - unexer L> Shok

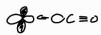
#### Ligard field theory

M 1 1C=01



=> The higher the endensity on the Melal, the more buch downlin

the wenter is the c=0!





us sty us coo So bushelly broke triple born into dB

=> Interplay between

domlia

dountion and buck dountion

-> koondination to the melal is inbetween a real bout as de statelises the DB in His example

=> lyterplay between Meml owning and ligard lend to a weaking of the Ligand's boul depending on the eidensity of the Metal.

### Ligard behaviou!

Ligand association

oxidatative addition

(vd. elinimbia)

M T MB C MA-B

### vacano medallics - Palladion

M + R'-x PA , R-R'

R-B) boron Most com-an

Negioni: R-Zny

y= halide on R

Sometimo

Stille: R-Su(alkyl), tin

<u>&</u>

Kunada: R-Mgx Magrain

PU (PP43)4 1 2 panz (sport dissucinha)

$$R-x + R' \longrightarrow \frac{Pl}{Buse} R \longrightarrow R' + Hx$$
 $Sp^2$  (E) usually

anh RR Since Lyey are Usually to bullen

-> use full eg. afre withing

Sonogystim coupling 
$$R = = -N + R^1 - \times Base$$
 $R = -R^1$ 
 $R = -R^1$ 

Cul, CuoTf

Azide alkyre Huisyen Cyclonddikan (clich vxn)

# Ring closing menthesis (RCM)