· Exam 4: FRI 9th

Ch 8-10 275%.

Ch 1-7 225%.

FINAL Exam: Wed 14th @ NOON

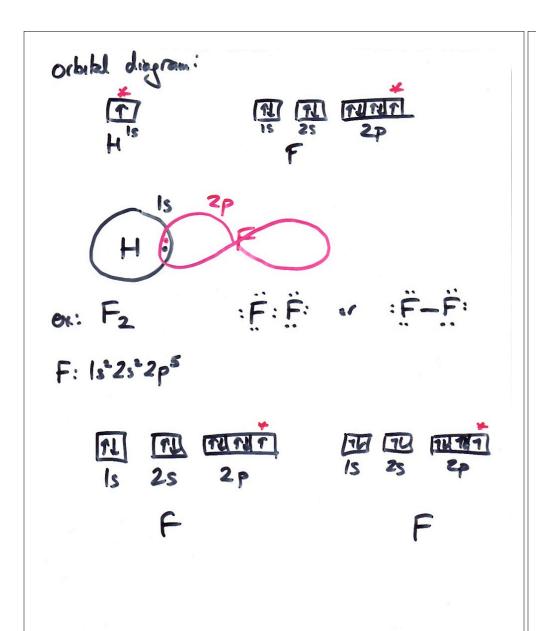
Ch 1-10

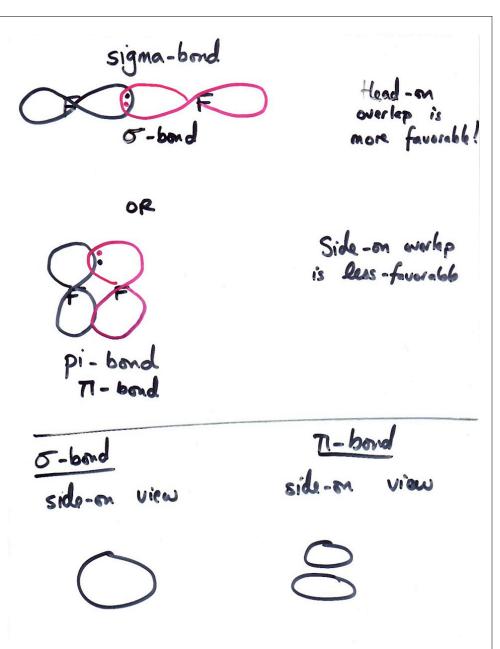
Maybe.... Mon 12th

- Pavish for FINAL.

- TBA

Chemical Bond Lewis: Sharing pairs of e's. OM 3 overlap of 2 orbitals + 2e-. ex: H2 H: 151 What about HF? e unfix: H F

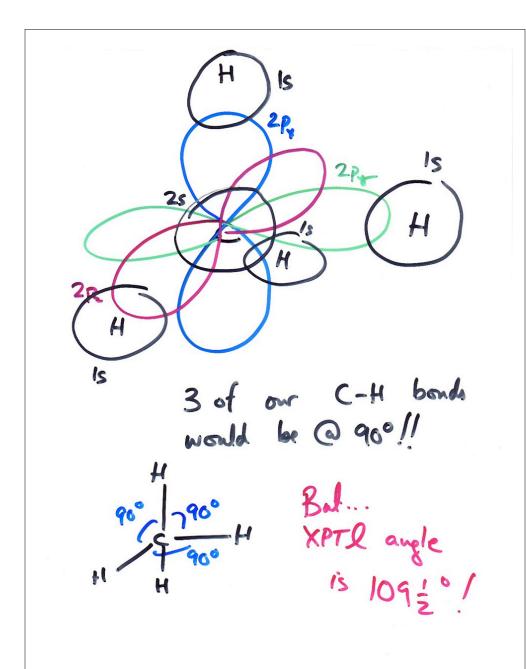




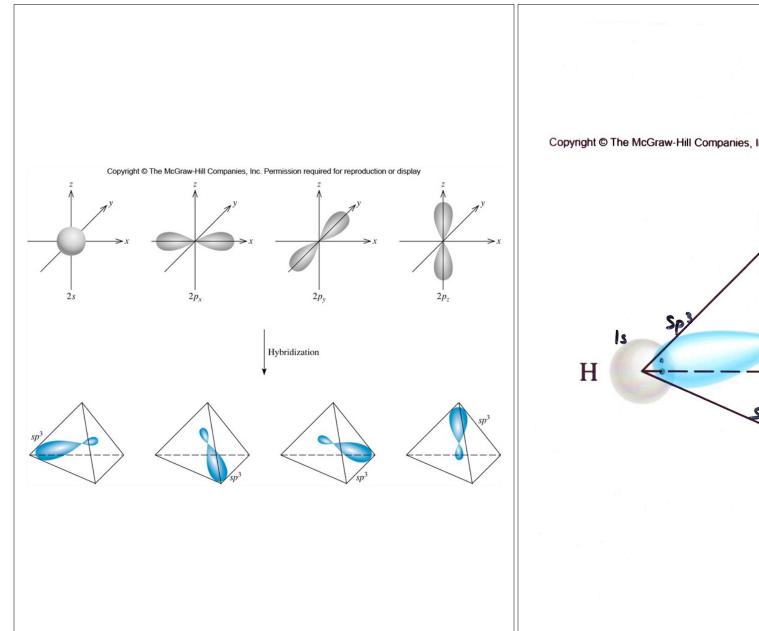
Hybridization of atomic orbitals Q. How do we explain CH4.
using VB throny?

Lewis: H-C-H VB throng! H: 1s' C: 15252p So, does this mean C can make 2-bonds?

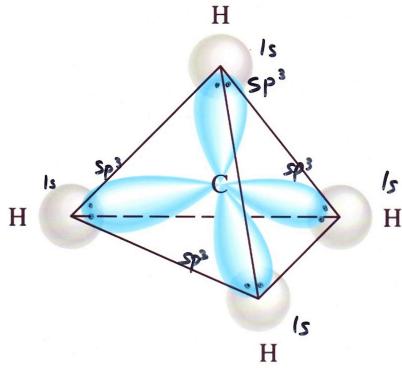
Linus Pawiz! We know all the bonds in CHy are tetrahedral ... to get 4 bonds instead 15 2S PROMOTION one problem is ... angles!



```
Pauling
     1L
25
      25 2p
Hybridize the 22 arbibls.
       Sp3
```



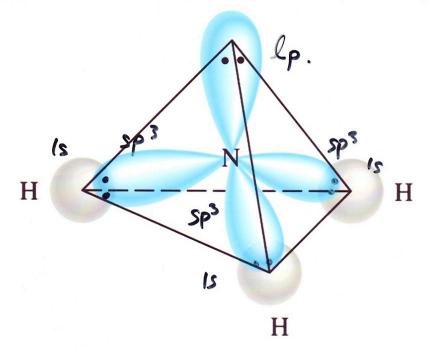
Copyright © The McGraw-Hill Companies, Inc. Permission required for reproduction or display

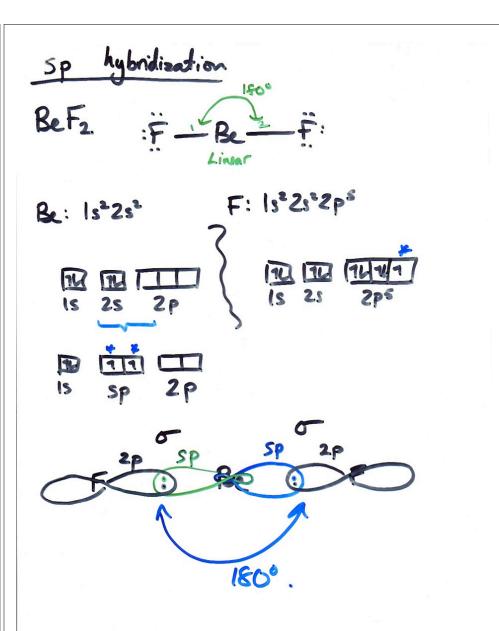


NH3 15 25 2p 1522532p3 VSEPR:

10910 angles! H: 15' = N 1525253 1 Is

Copyright © The McGraw-Hill Companies, Inc. Permission required for reproduction or display





Copyright © The McGraw-Hill Companies, Inc. Permission required for reproduction or display Hybridization