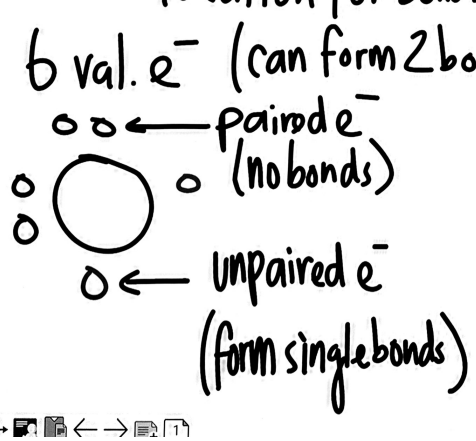
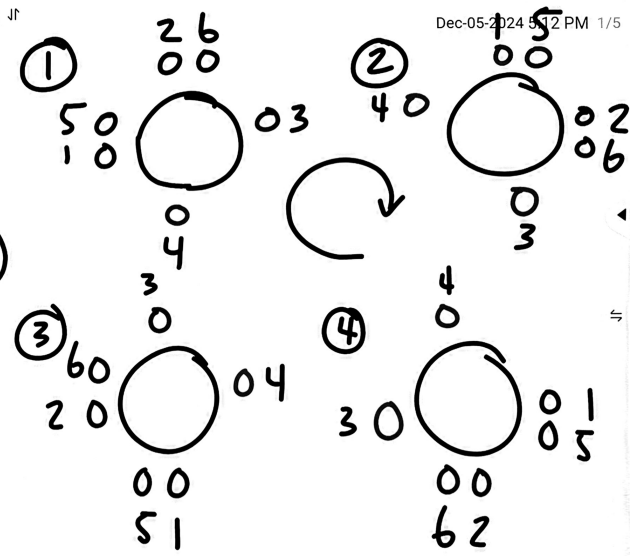
Var. Filling Orders

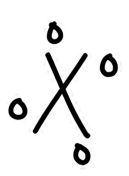
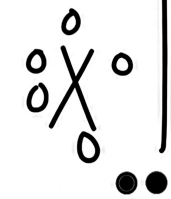
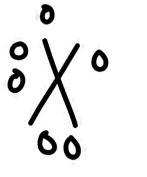
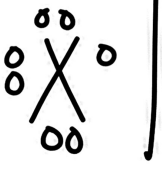
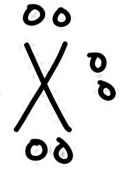
goal: Put unpaired e^- in location for bonds.

6 val. e^- (can form 2 bonds)



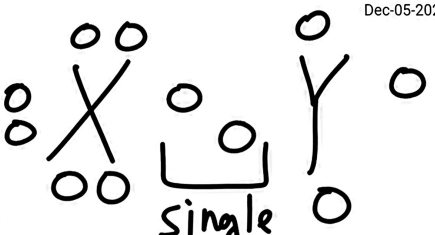


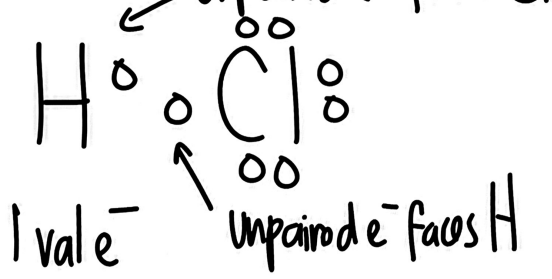
groups and dot structures

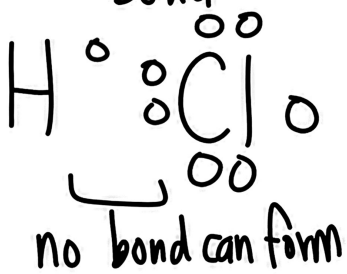
group	14	15	16	17	18
# val e^-	4	5	6	7	8
# pairs	0	1	2	3	4
# unpair	4	3	2	1	0
dot structure					

Single Covalent Bond

Sharing of 2 unpaired e^- between two atoms.







Diatomic Elements (single bond)

Some elements form single bonds w/ each other

I_2 (diatomic Iodine)