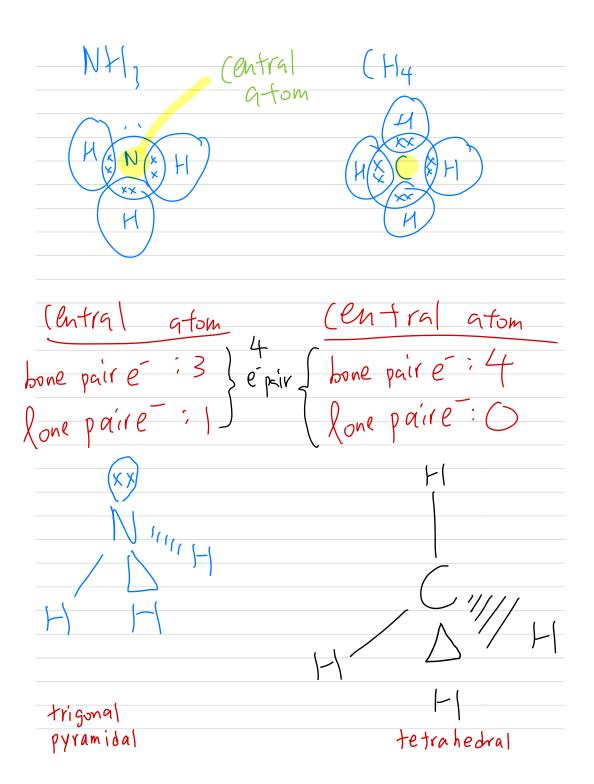
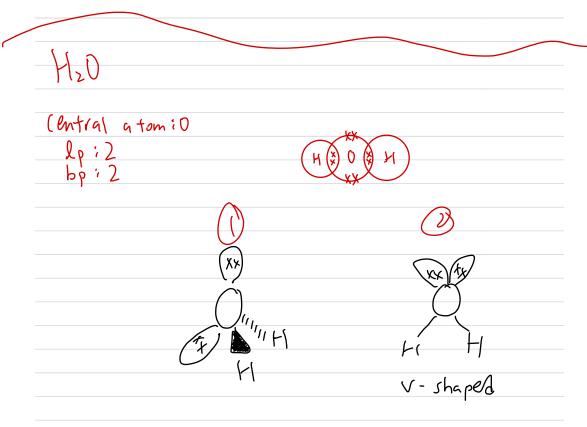
Shape of molecule (y (lo hexane Graphite 電子有 repulsion , 手套整定大家 (single bond) Why hot 平面的大的 e-e-repulsion 相对文



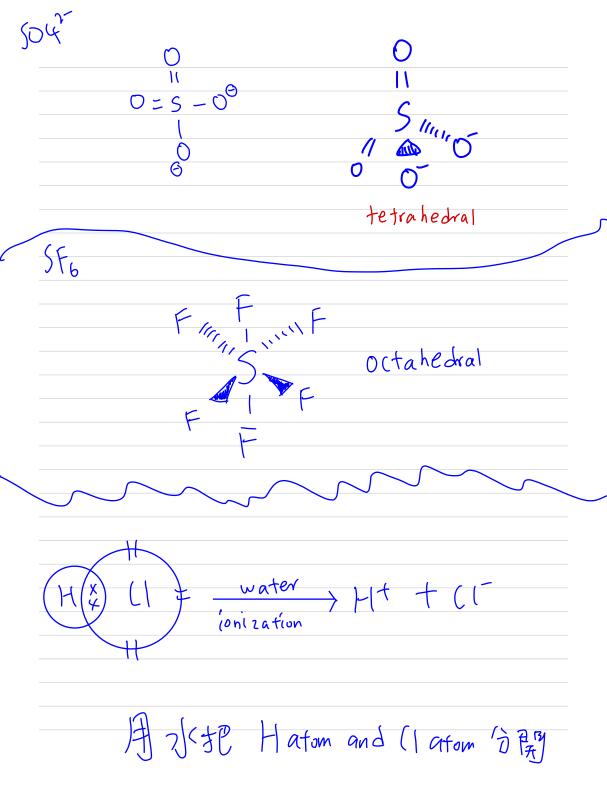
Repulsion: lp-lp>lp-bp>bp-bp



BeH2 BF3 H-Be-H Linear planar trigonal N((3 P (13 1+3 P(Is X N(It? ", max = 18e 第三层 Max : 8 30, trigonal bipyramida)

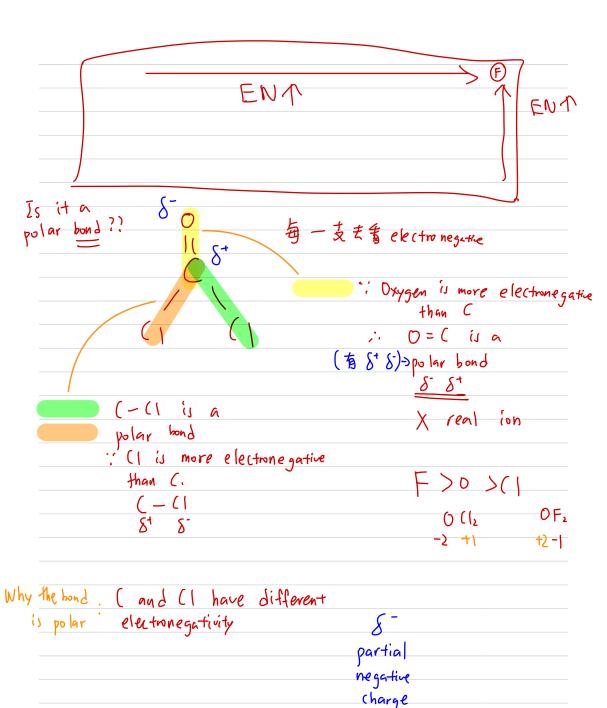
a) $(0_2$	molecular shape:	
	linear 0= (=0	
0) 0(12	molecular shape:	* (I (*) 0 (*) (I *)
	v-shaped	** **
	(xx)	
	(C	
101.) 	50 1: (XX) S D (X 120°)
	03+10	(+2 :局達 v-shaped

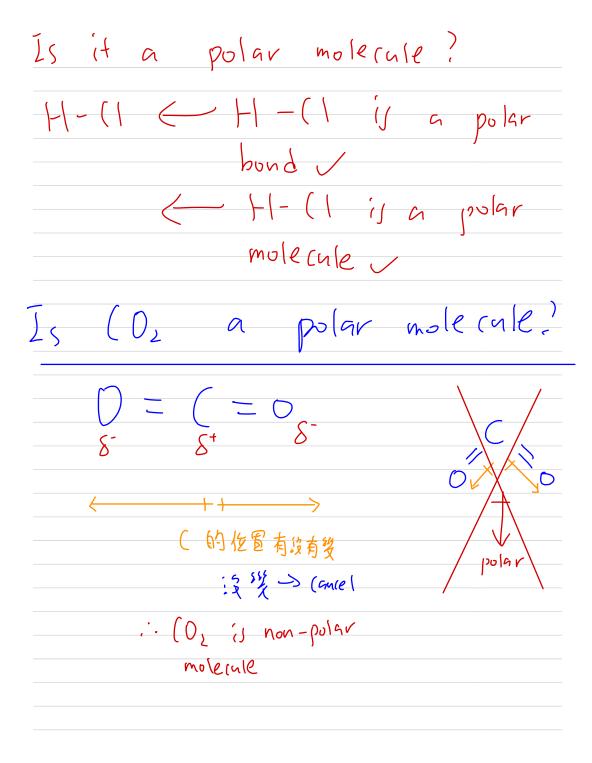
/



methylbenzene ·, 對外力 原本methyl benzene van der Waals' force explanation for solubility

is soluble in hexane. Why? weak uduf week udut in hexene ij insoluble Na (1 weak udut Stroy ionic bond / H/(1 ま bunding election By nd 31 力不同 distribution of bonding electron more electronegative Electronegativity less electronegative -> ability of an atom to attract





Is water molecale magn i. Water is po lar tetrachloromethane non-polar polar

			(an(e) polarity		bond
Think mo	lecule polarity			think o	11
	polarity	(ance		= non = pola	polar
	(, , , , , , ,	} pop			
planation	for non-	polar n	nolerale		

explanation for non-polar molecule

O shape The molecule is trigonal planar in shape

O Bond polarity (an /(ant) (ancel out each other

O The three polar/non-polar B-F bonds are / are not

arranged symmetrically.