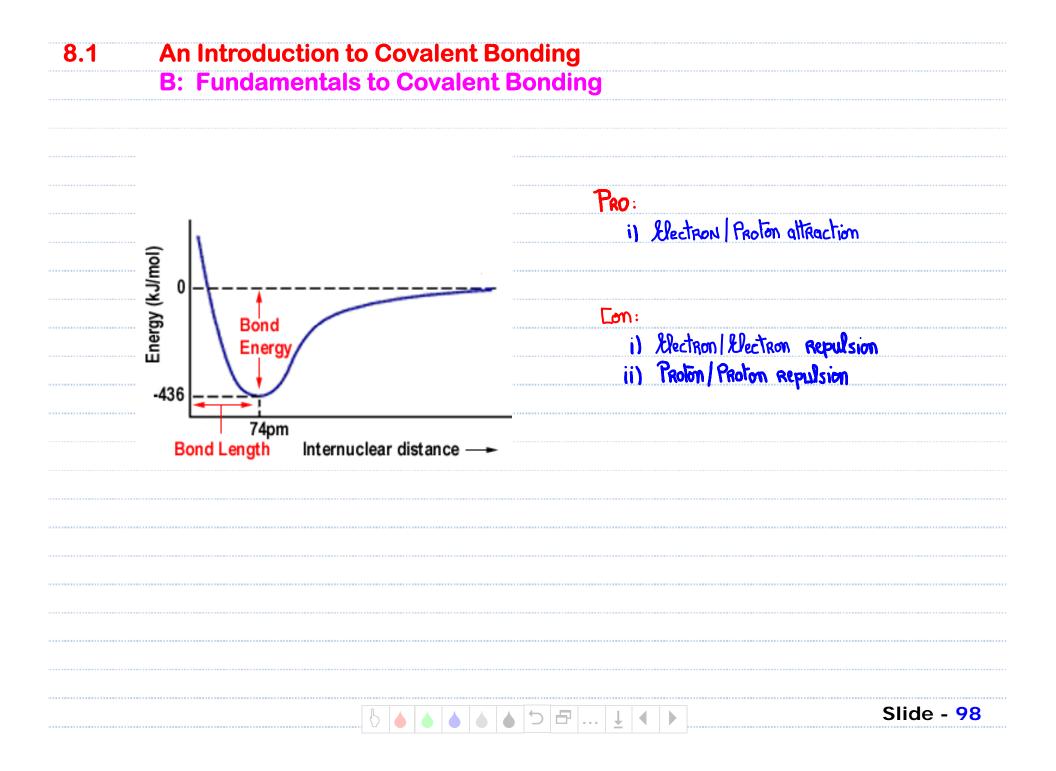
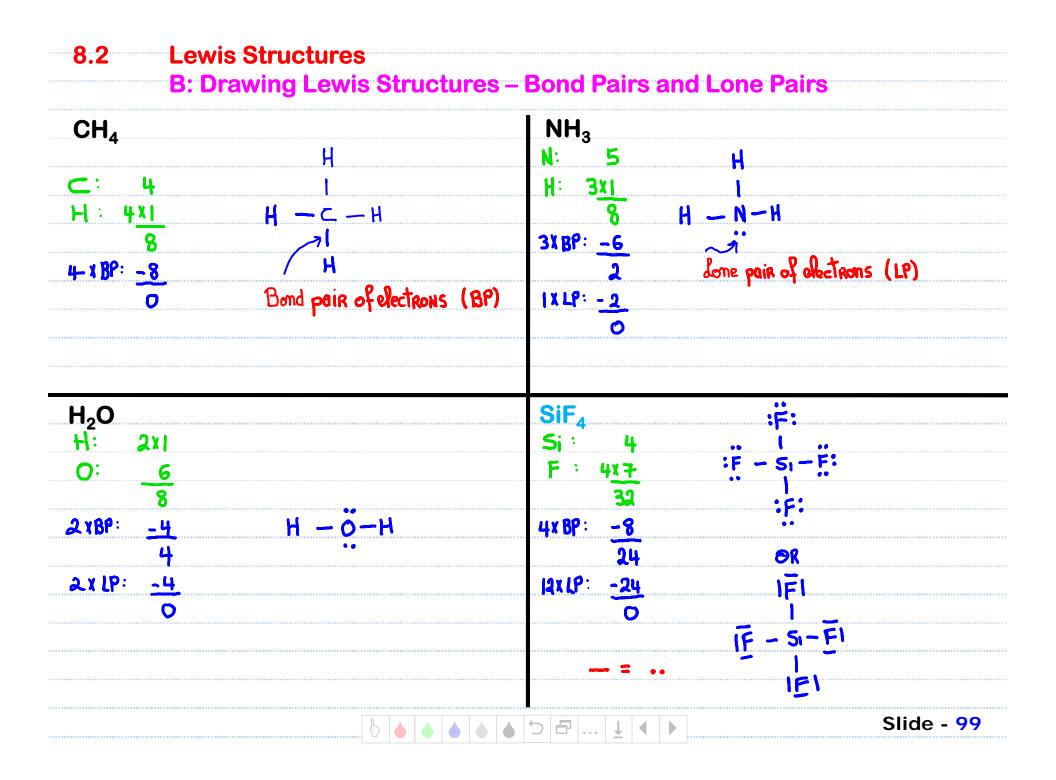
Announcements – Lecture XI – Thursday, June 6 <sup>th</sup>								
 4 <sup>th</sup> LAB : THE, JUN 11 <sup>th</sup> , 1:30-4:30								
	Slide - 96							

1.							from nd <mark>4</mark>						sing	size	with	1	
		2			<u>4</u> C		<u> </u>			_Mg							
<u>ія</u> Н	1			The			odi	~ т	o h								VIIIA He
1				ne	1 16	eric	Jai	CI	ap	le					100	372.0	2
.01	IIA	1										IIIA	IVA	VA	VIA	VIIA	4.00
3	Be										+1	B	C	N			Ne 10
.94	9.01											10.81	12.01	14.01	16.00	19.00	20.18
Va	Mg											AI	Si	Р	$(\mathbf{S})$	CI	Ar
11	12		0.02									13	14	15	16	17	18
2.99	24.31	IIIB	IVB	VB	VIB	VIIB	VIIIB	VIIIB	VIIIB	IB Original	IIB	26.98	28.09	30.97	32.07	35.45	
K	<b>Ca</b> 20	21	Ti 22	23	24	25	76 Fe	27	Ni 28	29	Zn 30	Ga 31	Ge 32	As 33	Se 34	Br 35	Kr 36
9.10	40.08	44.96	47.88	50.94	52.00	54.94	55.85	58.93	58.69	63.55	65.39	69.72	72.61	74.92	78.96	79.90	83.80
2.		WI	hich	one	has t	he g	reat	est E	lectr	ron A	ffini	ty?				F	
3.		W	hich	one	has t	he s	mall	est fi	rst id	oniza	tion	enei	av?			6	





NCI <sub>2</sub>	Homewor	ĸ						
	5							 
0:	327							
	26	10 -	N-CPI					 
3xBP :	<u>-6</u>							 
	20		101					 
91LP	: <u>-18</u>							 
	2							 
IXLP	: -2							
	0							
Notes								 
	Ö	overatuie atom	in the conter		hoonice	ndicated		 
		onegative atom	in the center	unless a	otternise	undicated.		 
۵) د	O The least electr						5 2	
۵) د	Ö						5 2.	
د (م (جو	O Ihe least electr All outer ator	ns get an oct	etexcept	ndrogen			5.2.	
د (۵ (جو (ے	O The least electr	ns get an octo n allocated e	et except   lectrons lost	nigkogan			<b>5 Q</b>	

NH₄ <sup>+</sup>	НЈ	
N: 5		
H: 4XI	H -N-H	0: 3x6 1
+: -1	Н	-: <u>1</u> iõ-Ø-ŌI
8	<del>ог.</del> н ]+	3x 8P: -6
4×BP: <u>-8</u>		20
0	H - N - H	9xLP: -18
		I X LP: -2
		0
	<b></b>	Notes
Q: 7	101	a) Negative charge increases the valence electron total.
0: 4x6		· · · · · · · · · · · · · · · · · · ·
- :	1 <u>0</u> - 0 - <u>0</u>	&) Positive charge decreases the valence electron total.
32		······
4×BP: -8	1 <u>0</u> 1	c) lons always enclosed by parenthesis
24		
12×LP: -24		
<u> </u>		·

H <sub>2</sub> CO		11	~	<b>HCN</b>			~
۲ H :	2X	7	1	H :			
<u>C</u> :	<u>ų</u>	H - c -	ōı	<u>د</u> :	4	H —	C-NI
0:	<u>_6</u>		-	<u>N</u> :	5		
0.400	12			0.2.03	10		
3xBP:	<u>-6</u>	H - C = C	2	2×Bp:	<u>- 4</u>	H-C	
3XLP:	6 -6	н	¢0 both members	3xlp:	6 -6		ze N both nembers
3.5.5.	0	· · · · · · · · · · · · · · · · · · ·	ENOP5	J	0		ofcnops
			F 21101 3				·
CO				Notes			
<b>C</b> :	4	· · · · · ·		Multip	le bonds on	ployed when	after all the valence
0:	<u>6</u>	10-01		electrons	have been d	istributed 1	he central atom does Not
	10	1-		have an	octet, provi	ided the folk	hrud
IXBP:	<u>-1</u>	16301		9baa	pie an atom	attached the	thas a lone pair of
3XLP:	-6			olectorns	You Had II	se this lone	Dair to note a nultiple
	2			bond prov	red both ato	ms belong to	the CNOPS club
IXLP	-2					Q	, , , , , , , , , , , , , , , , , , ,
	0			Forlon	Nitrogen	Oxy gen P	nosphorus, Sulfur