	Lab 07: Qu	after MECheric	S
	Part A: lifux as a	wave	4
6.0	The state of the s	41 (distance Between Prs)	2
	78191 1 .59 M	6215 M	2
6.6	Trial 2 . 825 H	.300 4	Less et
	Trial 3 1.00 M	637 H	
	Trials D	41	1
6	THOIL 1.01 M	. 280 M	Gree
2		0372 M	= %
0.0	Tran 3 , 59 M	017101	
e e		9836	
	PON1 B: Protoelects is effect	15 6/25 100	
2.6	Metal' Sodion Mage W		
	voltage Threshold Tas	ble Metall Zinc Ma	X 2= 287 nu
	wavelength Voltage	hardeled see 1 Vol	LONG T
9 5	71 = 493 NM , 2V	2 = 100 AH 8.	V
	22 = 475 NM . 4 V	1/2z = 120 na 6.	0 1
6	73 =441 NM - 6 V		. 1
0.5	24 = 406nH . 9 V		1 8
	75 = 381 AM 1.0V	72= 170 NM 2.5	
	76 = 367 AM 1.2V	74= 200 nm / 7.0	
		77= 270 nm / 16	
6 6	120 = 269 MM 2.20	1 /38 = 240 nm / 0.8	V

II P. Carlos		
	60	
	9-9	
	0 0 0	
Part C: EMESSION SPECTION OF INCLUSION BUIL +	9 9	For h
Hypoten Atom - BULS Hydropen	0 0	DE &
Rey . 675-630 Fed: 600	0	DE =
orbite: 630-615 oute:	0_0	00.
4000: 685-590 Yellow: 570	0 0	DE for
Green: 590 -515 Green: 540, 490 (801)	0	Δ F =
ave: 515-440 Blue: 430	0	40-
violet: 440-400 Violet: 400	-	DE foi
н 38. н 38.	20	AE:
Part D:	9	AE:
Neon Helion		AE fe
Red: 720-630 (3) Red: (40-655 (2)	6) 8 3	
org: 630-600 (10) oralle! 600 (1)	2) AE
4000: 600-570 (5) 4010w: 575(1)	0	1E
Green: 570-490 (15) Ween: 540-500(2)	0.0	-
VIX: 490(15) BICE: 490-470(3)	0.0	AE
violet: 490-2 (NA) Violet: 440-0	0	2 0
violet.	9-3	N=2
	6-9	n=3
	•	N=4 N=5
		N=C
	-	
	0.00	N=7
	00	
	0	
	Jan.	/

6	
6.9	
6.0	for hydrogen enough levels:
0	DE for Red 2=600 MM
6-9	DE = tic = (6.626=34)(308) = 3.313e-193 = DE3-72
	2 (600e-9) =
	DE for yellow
	AF = (6.626) (308) = 3.49 e-19 5 = AE4-72
6	570 e-9
C	DE foi Green
	DE = (6.626 = 34) (3 = 8) = 4.06 e-195 = DE5->2
0 9	$AE = \frac{(6.6262.52)(2.520)}{(490 e-9)}$
-9	·
2 9	DE for BINE
9 6	AE = (6.626 C-34)(300) - 4.62 C-195= DE6-32
0	430e-9
• •	15 for violet
	AE = (6.626c-34) (3e8) = 4.97 e-195= DE7-22
• •	(430e-9)
•	n=2 @ -3.4 eV
	n=3 @-5.47eV
	N=4 @ -5.58eV
- 3	N=5 0 - 5.93 EV
3	N=C C - 6.20eV
9	N=7.0-6.5 eV
9	
9 0	N=0
	0
	, lose In