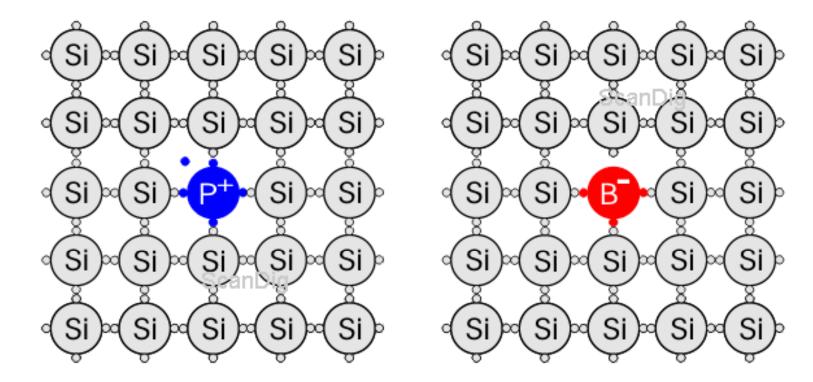
Slides Condensed Matter Physics Lecture 17

IA 1 H IIA			Periodic Table												YIIA	0 2 He		
2	3 Li	4 Be	of the Elements 🖪 🖁 🖓 🖏 🖡										10 Ne					
3	11 Na	12 Mg	ШB	IVB	YB	VIB	VIIB		— YII –		IB	IB	13 Al	14 Si	15 P	16 S	17 CI	18 Ar
4	19 K	20 Ca	21 Sc	22 Ti	23 Y	24 Cr	25 Mn	26 Fe	27 Co	28 Ni	29 Cu	30 Zn	31 Ga	32 Ge	33 As	34 Se	35 Br	36 Kr
5	37 Rb	38 Sr	39 Y	40 Zr	41 Nb	42 Mo	43 Tc	44 Ru	45 Rh	46 Pd	47 Ag	48 Cd	49 In	50 Sn	51 Sb	52 Te	53 	54 Xe
6	55 Cs	56 Ba	57 *La	72 Hf	73 Ta	74 ₩	75 Re	76 Os	77 Ir	78 Pt	79 Au	80 Hg	81 TI	82 Pb	83 Bi	84 Po	85 At	86 Rn
7	87 Fr	88 Ra	89 +Ac	104 Rf	105 Ha	106 Sg	107 Ns	108 HS	109 Mt	110 110	111 111	112 112	113 113					
*Lanthanide Series			58 Ce	59 Pr	60 Nd	61 Pm	62 Sm	63 Eu	64 Gd	65 Tb	66 Dy	67 Ho	68 Er	69 Tm	70 Yb	71 Lu		

+ Actinide Series

Ce		Nd	Sm			 		Yb	Lu
90 Th	91 Pa	92 U	94 Pu				101 Md		103 Lr



n-doping

p-doping