1	IA 1 H	IIA	_	- ·	eri			-		<b>~ -</b> ·	-		IIIA	IVA	٧A	VIA	VIIA	0 2 <b>He</b>
2	3 Li	4 Be	$\square$ AT THA HIAMANTA $\square$												7 N	8 0	9 F	10 Ne
3	11 Na	12 <b>Mg</b>	ШB	IVB	٧B	VIB	VIIB		— VII –		IB	IB	13   <b>A</b>	14 Si	15 P	16 S	17 CI	18 <b>Ar</b>
4	19 K	20 Ca	21 Sc	22 Ti	23   <b>Y</b>	24 . <b>Cr</b>	25 Mn	26 Fe	27 Co	28 Ni	29 Cu	30 Zn	31 <b>Ga</b>	32 Ge	33 <b>As</b>	34 Se	35 Br	36 Kr
5	37 Rb	38 Sr	39   <b>Y</b>	40 Zr	41 ND	42 <b>Mo</b>	43 TC	44 Ru	45 Rh	46 <b>Pd</b>	47 Ag	48 Cd	49 In	50 Sn	51 Sb	52 <b>Te</b>	53 	54 Xe
6	55 Cs	56 <b>Ba</b>	57. *La	72   <b>Hf</b>	73 <b>Ta</b>	74 • ₩	75 Re	76 OS	77   <b>Ir</b>	78 Pt	79 Au	80 Hg	81 TI	82 Pb	83 Bi	84 <b>Po</b>	85 At	86 <b>Rn</b>
7	87 Fr	88 Ra	89 +AC	104 <b>Rf</b>	105 <b>Ha</b>	106 <b>106</b>	107 <b>107</b>	108 <b>1 0 8</b>	109 <b>109</b>	110 <b>110</b>								
	* Lanthanide Series		58 Ce	<sup>59</sup> Pr	60 Nd	61 <b>Pm</b>	62 Sm	63 Eu	64 Gd	65 <b>Tb</b>	66 Dy	67 <b>Ho</b>	68 Er	69 <b>Tm</b>	70 Yb	71 Lu		
	+ Actinide Series		90 Th	91 <b>Pa</b>	92 U	93 <b>Np</b>	94 <b>Pu</b>	95 <b>Am</b>	96 Cm	97 <b>Bk</b>	98 Cf	99 Es	100 Fm	101 <b>Md</b>	102 <b>No</b>	103 Lr		

As you learned in chemistry, the various behaviors of all the elements (and all the molecules made up from them) is all due to the way the electrons organize themselves, according to quantum mechanics.