

CHAPTER 1	Electrons in Principle Energy Levels (first 20 elements)	BLM 1.0.2
OVERHEAD		

		Group							
		1	2	13	14	15	16	17	18
Period 1	1st	1 H							2 He
	2nd	1	2	3	4	5	6	7	8
Period 2	1st	2 Li	2 Be	2 C	2 B	2 N	2 O	2 F	2 Ne
	3rd	1	2	3	4	5	6	7	8
Period 3	2nd	8	8	8	8	8	8	8	8
	1st	2 Na	2 Mg	2 Al	2 Si	2 P	2 S	2 Cl	2 Ar
Period 4	4th	1	2						
	3rd	8	8						
	2nd	8	8						
	1st	2 K	2 Ca						

For the first 20 elements, the number of electrons in the outer (valence) energy level is the same as the last digit of the group number. Note that with each successive period, there is an additional energy level added to atoms in that period.