

Names _____



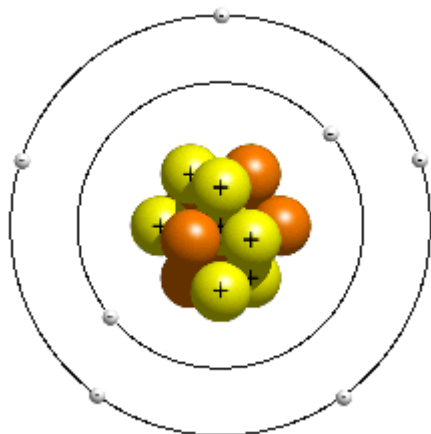
To start class today, you and your partner must first finish this paper and show Mr Schmitt. You may use your textbook!

1. On this diagram, label the following chemical families: Noble Gases, Alkali Metals, Alkaline Earth Metals, Transition Metals, and Halogens.

Periodic Table of the Elements

1 H																	2 He														
3 Li	4 Be											5 B	6 C	7 N	8 O	9 F	10 Ne														
11 Na	12 Mg											13 Al	14 Si	15 P	16 S	17 Cl	18 Ar														
19 K	20 Ca	21 Sc	22 Ti	23 V	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														
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 I	54 Xe														
55 Cs	56 Ba	57 La	72 Hf	73 Ta	74 W	75 Re	76 Os	77 Ir	78 Pt	79 Au	80 Hg	81 Tl	82 Pb	83 Bi	84 Po	85 At	86 Rn														
87 Fr	88 Ra	89 Ac	104 Unq	105 Unp	106 Unh	107 Uns	108 Uno	109 Une	110 Uun																						
																		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
																		90 Th	91 Pa	92 U	93 Np	94 Pu	95 Am	96 Cm	97 Bk	98 Cf	99 Es	100 Fm	101 Md	102 No	103 Lr

2. Label the following diagram: Proton, neutron, electron, nucleus, energy shell



3. What is the name of an atom that has gained or lost electrons?
4. What is the name of an atom that gains an electron? _____ Will it be positively or negatively charged? _____ What type of element gains electrons (metal or non-metal)?
5. What is the name of an atom that loses an electron? _____ Will it be positively or negatively charged? _____ What type of element loses electrons? (metal or non-metal)

