The Quiz this week is on Thursday. There is no school for students Friday

Purpose:

What do metals do when they run into non-metals?

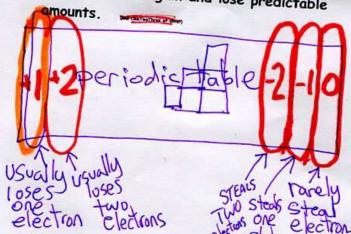
WARMUP:

In Period 2 there are <u>Pight</u> elements
In Group 2 there are <u>Six</u> elements

#1

LOSERS! metals, when touching nonmetals, will lose electrons

THIEFS! nonmetals, when touching metals, will gain electrons



#3 Rule to memorize! A compound must always have a total charge of zero.

left page!!

Draw cartoons of what would form

N ³⁻	A13+ N3AN3 ANN Aluminum Nitro	Ba ²⁺
02-		

Now write the formulas in each box

Memorize which parts of the periodic table have known charges when they make ions.

Including these yellow squares

			Halogens 1/29/2016/7:55 AM							
0	11	12	13	14 H	15	16	17	18	Nobe	
					-3	-2	1-1	He 4.00	2	
			5	6	7	8	9	10		
			B 10.81	C 12.01	N 14.01	16.00	F 19.00	Ne 20.18		
			Al	14 Si	P P	16 S	17 CI	18 Ar		
			26.98	28.09	30.97	32.06	35.45	39.95		
8 ii 71	29 Cu 63.55	230 Zn 65.38	69.72	32 Ge 72.59	33 As 74.92	34 Se 78.96	35 Br 79.90	36 Kr 83.80	1	
d 6.4	Ag 107.87	Cd 112.40	f349 In 114.82	50 Sn 518 118,69	51 Sb 121.75	52 Te 140-1-1-1 127.60	53 I 1 126.90	54 Xe 131.30		
-	79 Au 196.97	80 Hg 200,59	81 T1 thailinn 204.37	82 Pb 1444 207.2	83 Bi bismeth 208.98	Po (210)	85 At (210)	86 Rn (222)		
S	Rg	Cn	113 Uut	114 Uuq	115 Uup	116 Uuh	117 Uus	118 Uuo		
9)	(272)	(277)	(284)	(289)	(288)	(291)	(293)	(294)		
	64	65	66	67	68	69	70	71		
1	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lin	1	

									Halogens =			
6	7	8	9	10	11	12	13	14 [H	15	16	1729/201	6/ 7:55 Al 18 . 2 He
									-3	-2	1-1	helium 4.00
							5	6	7	8	9	10
							B beren 10.81	C carbon 12.01	N nitrogen 14.01		F fluorine 19.00	Ne 120.18
							13 13 Al	14 Si	15 P	16 S sulfur	17 Cl	18 Ar
		1					26.98	28.09	30.97	32.06	35.45	39.95
Cr chromiu 52.0	and the second second second second	26 Fe iron 55.85	27 Co cobalt 58.93	28 Ni nickel 58.71	29 Cu 63.55	2n Zn 65.38	Ga gallium 69.72	Ge germanium 72.59	33 As arsenic 74.92	34 Se selenium 78.96	35 Br bromine 79.90	36 Kr krypten 83.80
Mo molybden 95.94	um tech n e ti um	Ru ruthenium 101.07	Rh rhodium 102.91	46 Pd palladium 106.4	+ 47 Ag silver 107.87	Cd cadmium 112.40	+349 In indium 114.82	50 Sn	51 Sb	52 Te	53 I	54 Xe
74 W tungste 183.88	75 Re	76 Os ***********************************	77 Ir iridium 192.22	78 Pt platinum 195.09	79 Au gold 196.97	80 Hg mercury 200.59	81 T1 thallium 204.37	82 Pb lead 207.2	83 Bi bismuth 208.98	84 Po polonium (210)	85 At	131.30 86 Rn radon
Sg ************************************		108 Hn hahnium (265)	109 Mt meitnerjum (266)	Ds darm- stadtium (269)	Rg roentgenium	112 Cn	113 Uut ununtrium (284)	114 Uuq unun- quadium (289)	115 Uup unun- pentium (288)	116 Uuh	(210) 117 Uus	(222) 118 Uuo ununoetium
300				1-00/	(2,2)	(211)	(204)	(200)	(200)	(291)	(293)	(294)
Pr Pr praseo- dymium	dymium	61 Pm pro- methium	62 Sm	63 Eu europium	64 Gd gadolinium	65 Tb terbium	66 Dy dysprosium	67 Ho	68 Er	69 Tm	70 Yb	71 Lu
140.91	1 144.24	(145)	150.4	151.96	157.25	158.93	162.50	164.93	167.26	168.93	173.04	175.97
91	92	00	0.1			17.						
Pa protac- tinium 231.04	Uuranium	Np nep- tunium 237.05	Pu plutonium	95 Am americium	96 Cm	97 Bk berkelium	98 Cf californium	99 Es ein- steinium	100 Fm fermium	Md mende- levium	No No	103 Lr
201.09	200.03	237.05	(242)	(243)	(247)	(247)	(251)	(252)	(257)	(258)	(255)	(257)

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+1	-0	.IKali	m me	tal						
1 H hydrogen 1.01		alk	al inet	arth etals	6	7	8	9	10	11
3 Li lithium 6.94 11 Na sodium	Be beryllium 9.01 12 Mg magnesium									
23.00	24.31									
K potassium 39.10	Ca calcium 40.08	Sc scandium 44.96	Ti titanium 47.90	V vana di um 50.94	Cr chromium 52.00	Mn manganes 54.94		Co cobalt 58.93	28 Ni nickel 58.71	29 Cu
Rb rubidium 85.47	38 Sr strontium 87.62	39 Y yttrium 88.91	Zr sirconium 91.22	Nb niobium 92.91	Mo Mo molybdenur 95.94	Tc ntechnetium (99)	Ru ruthenium 101.07	45 Rh rhodium 102.91	Pd Palladium 106.4	+ 47 Ag
Cs cesium 132.91	56 Ba barium 137.34	57 La lanthanum 138.91	72 Hf hafnium 178.49	Ta tantalum 180.95	74 W tungsten 183.85	75 Re	76 Os	77 Ir iridium 192,22	78 Pt platinum 195.09	79 Au gold 196.97
Fr francium (223)	Ra radium 226.03	Ac actinium (227)	Rf ruther- fordium (261)	105 Db dubnium (262)	106 Sg seaborg- ium (263)	107 Bh	108 Hn hahnium	109 Mt meitnerium	110 Ds darm- stadtium	111 Rg
			(=01)	(202)	(203)	(262)	(265)	(266)	(269)	(272)
				58 Ce cerium 140.12	Pr Pr praseo- dymium 140.91	60 Nd neo- dymium 144.24	Pm promethium (145)	62 Sm samarium	63 Eu europium	64 Gd gadolinium
	A						(140)	150.4	151.96	157.25
				90 Th therium 232.04	91 Pa protac- tinium 231.04	92 U uranium	93 Np nep- tunium	94 Pu plutonium	95 Am americium	96 Cm
tomic	Mass	es to .0	1.		201.04	238.03	237.05	(242)	(243)	(247)

-10

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