

ION BEAD LAB

PROTONS = BLUE

NEUTRONS = WHITE

ELECTRONS = RED

	Element	Atomic Number	Mass Number	Protons	Neutrons	Electrons	Charge
1	B	5	11	5	6	2	+3
2	F	9	19	9	10	10	-1
3	H	1	1	1	0	0	+1
4	C	6	12	6	6	10	+4
5	Be	4	9	4	5	2	+2
6	Al	13	27	13	14	10	+3
7	N	7	14	7	7	10	-3
8	H	1	3	1	2	0	+1
9	Na	11	23	11	12	10	+1
10	Mg	12	24	12	12	10	+2
11	C	6	12	6	6	2	+4
12	O	8	16	8	8	10	-2

1. To become a cation, what happens to the number of electrons? *decreases*
2. When an element becomes a cation, what type of charge does it take on? *pos.*
3. To become an anion, what happens to the number of electrons? *increase*
4. When an element becomes an anion, what type of charge does it take on? *neg*
5. What does the word "ion" mean?

charged particle