

Standard: #2-1
 ATOMIC STRUCTURE

- I. Sub atomic structure
 - a. Describe the properties of all subatomic particles.
- II. How does an atom acquires mass.
 - a. Understand why atoms of the same element have different masses.
- III. How does an atom acquires a charge.
 - a. Understand how an atom acquires a charge.
 - b. Understand why an atom acquires a charge.
 - c. Be able to determine an atom's most common charge and why. (octet rule)

SYMBOL	ATOMIC NUMBER	MASS NUMBER	0_1n	e^-	Charge	P^+
O	8	16	8	8	0	8
F	9	18	9	9	0	9
S	16	24	8	17	-1	16
U	92	173	80	91	+1	92
Am	95	209	114	95	0	95
O	8	16	8	9	-1	8
O	8	18	10	8	0	8
O	8	12	4	7	+1	8
Al	13	25	12	13	0	13