

Atoms vs Ions WS

no charge, # of protons and electrons are equal

have charges

Symbol	Atom or Ion	Number of Protons	Number of Electrons	Electric Charge
Li ⁺	ion	3	2	1+
C	atom	6	6	0
F ⁻	ion	9	10	1-
Mg ²⁺	ion	12	10	2+
K ⁺	ion	19	18	1+
Li	atom	3	3	0
S ²⁻	ion	16	18	2-
He	atom	2	2	0
Ar	atom	18	18	0
O ²⁻	ion	8	10	2-
Cl ⁻	ion	17	18	1-
Na	atom	11	11	0
Ca ²⁺	ion	20	18	2+
Fe ³⁺	ion	26	23	3+
Fe ²⁺	ion	26	24	2+
Au ⁺	ion	79	78	1+
Hg ²⁺	ion	80	78	2+
Pb ⁴⁺	ion	82	78	4+
Zn	atom	30	30	0