



ATOMS & IONS 1

Species	Atom / ion	Atomic number	Mass number	Number of protons	Number of neutrons	Number of electrons
${}^{14}_7\text{N}$	atom	7	14	7	7	7
${}^{31}_{15}\text{P}$	atom	15	31	15	16	15
${}^7_3\text{Li}$	atom	3	7	3	4	3
${}^{20}_{10}\text{Ne}$	atom	10	20	10	10	10
${}^{40}_{20}\text{Ca}$	atom	20	40	20	20	20
${}^{40}_{18}\text{Ar}$	atom	18	40	18	22	18
${}^9_4\text{Be}$	atom	4	9	4	5	4
${}^{208}_{82}\text{Pb}$	atom	82	208	82	126	82
${}^{79}_{35}\text{Br}$	atom	35	79	35	44	35
${}^{81}_{35}\text{Br}$	atom	35	81	35	46	35
${}^{23}_{11}\text{Na}^+$	ion	11	23	11	12	10
${}^{16}_8\text{O}$	atom	8	16	8	8	8
${}^{16}_8\text{O}^{2-}$	ion	8	16	8	8	10
${}^{35}_{17}\text{Cl}^-$	ion	17	35	17	18	18
${}^{39}_{19}\text{K}$	atom	19	39	19	20	19
${}^{39}_{19}\text{K}^+$	ion	19	39	19	20	18
${}^{40}_{20}\text{Ca}^{2+}$	ion	20	40	20	20	18
${}^1_1\text{H}^+$	ion	1	1	1	0	0
${}^{127}_{53}\text{I}^-$	ion	53	127	53	74	54
${}^{14}_7\text{N}^{3-}$	ion	7	14	7	7	10