PERIODIC TABLE OF THE ELEMENTS

LEGEND: Hh Black element symbol = SOLID; Hh Green element symbol = LIQUID; Hh Blue element symbol = GAS; Red Outline = synthetically produced

* Parentheses indicate atomic mass of the most stable known isotopes.
** No names have been given and no mass data available.

PERIOD	GROUP 1 IA	2 IIA	3 IIIB	4 IVB	5 VB	6 VIB	7 VIIB	8	9 VIIIB	10	11 IB	12 IIB	13 IIIA	14 IVA	15 VA	16 VIA	17 VIIA	18 VIIIA
1	1 1.0079 H^+ Hydrogen																1 1.0079 H Hydrogen	2 4.002 He Helium
2	3 6.941 Li^+ Lithium	4 9.012 Be^{2+} Beryllium											5 10.811 B Boron	6 12.011 C Carbon	7 14.006 N^{3-} Nitrogen	8 15.999 O^{2-} Oxygen	9 18.998 F^- Fluorine	10 20.180 Ne Neon
3	11 22.989 Na^+ Sodium	12 24.305 Mg^{2+} Magnesium											13 26.982 Al^{3+} Aluminum	14 28.086 Si Silicon	15 30.973 P^{3-} Phosphorus	16 32.066 S^{2-} Sulfur	17 35.453 Cl^- Chlorine	18 39.948 Ar Argon
4	19 39.098 K^+ Potassium	20 40.078 Ca^{2+} Calcium	21 44.955 Sc^{3+} Scandium	22 47.867 Ti^{4+}_{3+} Titanium	23 50.942 V^{4+}_{3+} Vanadium	24 51.996 Cr^{3+}_{2+} Chromium	25 54.938 Mn^{2+}_{4+} Manganese	26 55.847 Fe^{3+}_{2+} Iron	27 58.933 Co^{2+}_{3+} Cobalt	28 58.693 Ni^{2+}_{3+} Nickel	29 63.546 Cu^{2+}_{+} Copper	30 65.39 Zn^{2+} Zinc	31 69.723 Ga^{3+} Gallium	32 72.59 Ge^{4+} Germanium	33 74.922 As^{3-} Arsenic	34 78.96 Se^{2-} Selenium	35 79.904 Br^- Bromine	36 83.80 Kr Krypton
5	37 85.467 Rb^+ Rubidium	38 87.62 Sr^{2+} Strontium	39 88.905 Y Yttrium	40 91.224 Zr Zirconium	41 92.906 Nb Niobium	42 95.94 Mo Molybdenum	43(97.907)* Tc Technetium	44 101.07 Ru Ruthenium	45 102.905 Rh Rhodium	46 106.42 Pd^{2+}_{4+} Palladium	47 107.868 Ag^+ Silver	48 112.41 Cd^{2+} Cadmium	49 114.82 In^{3+} Indium	50 118.71 Sn^{4+}_{2+} Tin	51 121.75 Sb^{3+}_{5+} Antimony	52 127.60 Te^{2-} Tellurium	53 126.904 I^- Iodine	54 131.29 Xe Xenon
6	55 132.905 Cs^+ Cesium	56 137.33 Ba^{2+} Barium	57 138.905 La Lanthanum	72 178.49 Hf Hafnium	73 180.947 Ta Tantalum	74 183.85 W Tungsten	75 186.21 Re Rhenium	76 190.23 Os Osmium	77 192.22 Ir Iridium	78 195.08 Pt^{4+}_{2+} Platinum	79 196.966 Au^{3+}_{+} Gold	80 200.59 Hg^{2+}_{+} Mercury	81 204.383 Tl^{+}_{3+} Thallium	82 207.20 Pb^{2+}_{4+} Lead	83 208.980 Bi^{3+}_{5+} Bismuth	84(208.982)* Po^{2+}_{4+} Polonium	85(209.987)* At^- Astatine	86(222.017)* Rn Radon
7	87(223.019)* Fr^+ Francium	88 226.025 Ra^{2+} Radium	89 227.027 Ac^{3+} Actinium	104 (261.11)* Rf Rutherfordium	105 (262.11)* Db Dubnium	106 (263.12)* Sg Seaborgium	107 (264.12)* Bh Bohrium	108 (265.13)* Hs Hassium	109 (268.14)* Mt Meitnerium	110 (269)* Uun Ununnilium	111 (272)* Uuu Unununium	112 (277)* Uub Ununbium	113 ** Uut	114 (285)* Uuq Ununquadium	115 ** Uup	116 (289)* Uuh Ununquadium	117 ** Uus	118 (293)* Uuo Ununoctium

Lanthanides:	58 140.12 Ce^{3+} Cerium	59 140.907 Pr^{3+} Praseodymium	60 144.24 Nd^{3+} Neodymium	61(144.912)* Pm^{3+} Promethium	62 150.36 Sm^{3+} Samarium	63 151.96 Eu^{3+}_{2+} Europium	64 157.25 Gd^{3+} Gadolinium	65 158.925 Tb^{3+} Terbium	66 162.50 Dy^{3+} Dysprosium	67 164.93 Ho^{3+} Holmium	68 167.26 Er^{3+} Erbium	69 168.934 Tm^{3+} Thulium	70 173.04 Yb^{3+} Ytterbium	71 174.967 Lu^{3+} Lutetium
Actinides:	90(232.038)* Th^{4+} Thorium	91(231.035)* Pa^{5+} Protactinium	92 238.028 U^{6+}_{4+} Uranium	93 237.048 Np^{5+} Neptunium	94(244.064)* Pu^{4+}_{6+} Plutonium	95(243.061)* Am^{3+} Americium	96 (247.07)* Cm^{3+} Curium	97 (247.07)* Bk^{3+} Berkelium	98(251.079)* Cf^{3+} Californium	99(252.082)* Es Einsteinium	100(257.095)* Fm Fermium	101(258.098)* Md Mendelevium	102 (259.10)* No Nobelium	103(260,105)* Lr Lawrencium

RARE EARTH ELEMENTS

KEY TO ELEMENTS