

Periodic Table of the Elements

Group (Family)

1A
1

1.01	H 1 Hydrogen
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Key:

atomic weight
Symbol
atomic number
Name

8A
18

4.00	He 2 Helium
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2A
2

6.94	Li 3 Lithium
22.99	Na 11 Sodium
39.10	K 19 Potassium
85.47	Rb 37 Rubidium
132.91	Cs 55 Cesium
(223)	Fr 87 Francium

3B
3

44.96	Sc 21 Scandium
88.91	Y 39 Yttrium

7B
7

47.88	Ti 22 Titanium
91.22	Zr 40 Zirconium
178.49	Hf 72 Hafnium
(267)	Rf 104 Rutherfordium

8B

50.94	V 23 Vanadium
92.91	Nb 41 Niobium
180.95	Ta 73 Tantalum
(268)	Db 105 Dubnium

2B
12

52.00	Cr 24 Chromium
95.94	Mo 42 Molybdenum
183.85	W 74 Tungsten
(271)	Sg 106 Seaborgium

4A
14

54.94	Mn 25 Manganese
98	Tc 43 Technetium
186.21	Re 75 Rhenium
(272)	Bh 107 Bohrium

5A
15

55.85	Fe 26 Iron
101.07	Ru 44 Ruthenium
190.23	Os 76 Osmium
(277)	Hs 108 Hassium

6A
16

58.93	Co 27 Cobalt
102.91	Rh 45 Rhodium
192.22	Ir 77 Iridium
(276)	Mt 109 Meitnerium

7A
17

63.55	Cu 29 Copper
107.87	Ag 47 Silver
196.97	Au 79 Gold
(280)	Rg 111 Roentgenium

Period

10.81	B 5 Boron	12.01	C 6 Carbon	14.01	N 7 Nitrogen	16.00	O 8 Oxygen	19.00	F 9 Fluorine	20.18	Ne 10 Neon
26.98	Al 13 Aluminum	28.09	Si 14 Silicon	30.97	P 15 Phosphorus	32.06	S 16 Sulfur	35.45	Cl 17 Chlorine	39.95	Ar 18 Argon
69.72	Ga 31 Gallium	72.59	Ge 32 Germanium	74.92	As 33 Arsenic	78.96	Se 34 Selenium	79.90	Br 35 Bromine	83.80	Kr 36 Krypton
114.82	In 49 Indium	118.71	Sn 50 Tin	121.75	Sb 51 Antimony	127.60	Te 52 Tellurium	126.91	I 53 Iodine	131.29	Xe 54 Xenon
204.38	Tl 81 Thallium	207.2	Pb 82 Lead	208.98	Bi 83 Bismuth	(209)	Po 84 Polonium	(210)	At 85 Astatine	(222)	Rn 86 Radon

Mass numbers in parentheses are those of the most stable or most common isotope.

Lanthanide Series

138.91	La 57 Lanthanum	140.12	Ce 58 Cerium	140.91	Pr 59 Praseodymium	144.24	Nd 60 Neodymium	151.96	Eu 63 Europium	157.25	Gd 64 Gadolinium	162.50	Dy 66 Dysprosium	164.93	Ho 67 Holmium	167.26	Er 68 Erbium	168.93	Tm 69 Thulium	173.04	Yb 70 Ytterbium	174.97	Lu 71 Lutetium
(227)	Ac 89 Actinium	232.04	Th 90 Thorium	231.04	Pa 91 Protactinium	238.03	U 92 Uranium	(243)	Am 95 Americium	(247)	Cm 96 Curium	(251)	Cf 98 Californium	(252)	Es 99 Einsteinium	(257)	Fm 100 Fermium	(258)	Md 101 Mendelevium	(259)	No 102 Nobelium	(262)	Lr 103 Lawrencium

Actinide Series

*Revised based on IUPAC Commission on Atomic Weights and Isotopic Abundances, "Atomic Weights of the Elements 2007."