

PERIODIC TABLE OF

PERIOD

1

1

1.008

H

HYDROGEN

2

3

6.94

Li

LITHIUM

4

9.0122

Be

BERYLLIUM

3

11

22.990

Na

SODIUM

4

12

24.305

Mg

MAGNESIUM

4

19

39.098

K

POTASSIUM

5

38

87.62

Sr

STRONTIUM

6

55

132.91

Cs

CAESIUM

6

56

137.33

Ba

BARIUM

6

57

138.91

La

LANTHANUM

6

58

140.12

Ce

CERIUM

6

59

140.91

Pr

PRASEODYMIUM

6

60

144.24

Nd

NEODYMIUM

6

61

(145)

Pm

PROMETHIUM

6

62

150.36

Sm

SAMARIUM

6

63

151.96

Eu

EUROPIUM

6

64

157.25

Gd

GADOLINIUM

6

65

158.93

Tb

TERBIUM

6

66

162.50

Dy

DYSPROSIUM

6

67

164.93

Ho

HOLMIUM

6

68

167.26

Er

ERBIUM

6

69

168.93

Tm

THULIUM

6

70

173.05

Yb

YTTERBIUM

7

87

(223)

Fr

FRANCIUM

7

88

(226)

Ra

RADIUM

7

89

(227)

Ac

ACTINIUM

7

90

232.04

Th

THORIUM

7

91

231.04

Pa

PROTACTINIUM

7

92

238.03

U

URANIUM

7

93

(237)

Np

NEPTUNIUM

7

94

(244)

Pu

PLUTONIUM

7

95

(243)

Am

AMERICIUM

7

96

(247)

Cm

CURIUM

7

97

(247)

Bk

BERKELIUM

7

98

(251)

Cf

CALIFORNIUM

7

99

(252)

Es

EINSTEINIUM

7

100

(257)

Fm

FERMIUM

7

101

(258)

Md

MENDELEVIUM

7

102

(259)

No

NOBELIUM

RELATIVE ATOMIC MASS (1)

GROUP IUPAC

13

GROUP CAS

IIIA

ATOMIC NUMBER

5

10.81

SYMBOL

B

BORON

ELEMENT NAME

Metal

Semimetal

Nonmetal

Alkali metal

Alkaline earth metal

Transition metals

Lanthanide

Actinide

Chalcogens element

Halogens element

Noble gas

STANDARD STATE (25 °C; 101 kPa)

Ne - gas

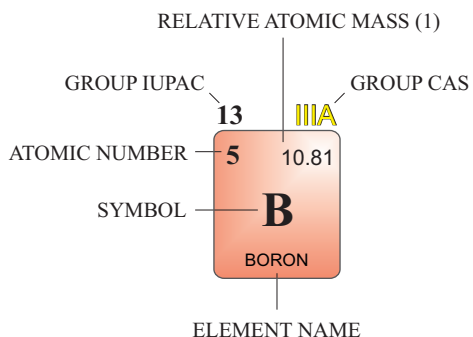
Hg - liquid

Fe - solid

Tc - synthetic

(1) Pure Appl. Chem., 88, 265-291 (2016)

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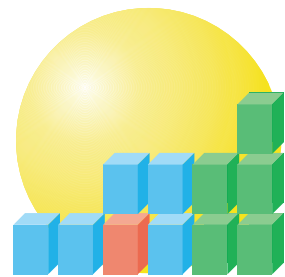
■ Metal	■ Semimetal	■ Nonmetal
■ Alkali metal	■ Chalcogens element	
■ Alkaline earth metal	■ Halogens element	
■ Transition metals	■ Noble gas	
■ Lanthanide		
■ Actinide		

STANDARD STATE (25 °C; 101 kPa)

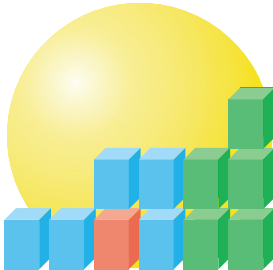
Ne - gas	Fe - solid
Hg - liquid	Tc - synthetic

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THE ELEMENTS



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										18 VIIIA 2 4.0026 He HELIUM						
										13 IIIA 5 10.81 B BORON	14 IVA 6 12.011 C CARBON	15 VA 7 14.007 N NITROGEN	16 VIA 8 15.999 O OXYGEN	17 VIIA 9 18.998 F FLUORINE	10 20.180 Ne NEON	
										13 26.982 Al ALUMINIUM	14 28.085 Si SILICON	15 30.974 P PHOSPHORUS	16 32.06 S SULPHUR	17 35.45 Cl CHLORINE	18 39.948 Ar ARGON	
3 IIIB 21 44.956 Sc SCANDIUM	4 IVB 22 47.867 Ti TITANIUM	5 VB 23 50.942 V VANADIUM	6 VIB 24 51.996 Cr CHROMIUM	7 VIIB 25 54.938 Mn MANGANESE	8 26 55.845 Fe IRON	VIII B 27 58.933 Co COBALT		10 28 58.693 Ni NICKEL	11 IB 29 63.546 Cu COPPER	12 IIB 30 65.38 Zn ZINC	31 69.723 Ga GALLIUM	32 72.64 Ge GERMANIUM	33 74.922 As ARSENIC	34 78.971 Se SELENIUM	35 79.904 Br BROMINE	36 83.798 Kr KRYPTON
39 88.906 Y YTTRIUM	40 91.224 Zr ZIRCONIUM	41 92.906 Nb NIOBIUM	42 95.95 Mo MOLYBDENUM	43 (98) Tc TECHNETIUM	44 101.07 Ru RUTHENIUM	45 102.91 Rh RHODIUM	46 106.42 Pd PALLADIUM	47 107.87 Ag SILVER	48 112.41 Cd CADMIUM	49 114.82 In INDIUM	50 118.71 Sn TIN	51 121.76 Sb ANTIMONY	52 127.60 Te TELLURIUM	53 126.90 I IODINE	54 131.29 Xe XENON	
71 174.97 Lu LUTETIUM	72 178.49 Hf HAFNIUM	73 180.95 Ta TANTALUM	74 183.84 W TUNGSTEN	75 186.21 Re RHENIUM	76 190.23 Os OSMIUM	77 192.22 Ir IRIDIUM	78 195.08 Pt PLATINUM	79 196.97 Au GOLD	80 200.59 Hg MERCURY	81 204.38 Tl THALLIUM	82 207.2 Pb LEAD	83 208.98 Bi BISMUTH	84 (209) Po POLONIUM	85 (210) At ASTATINE	86 (222) Rn RADON	
103 (262) Lr LAWRENCIUM	104 (267) Rf RUTHERFORDIUM	105 (268) Db DUBNIUM	106 (271) Sg SEABORGIUM	107 (272) Bh BOHRIUM	108 (277) Hs HASSIUM	109 (276) Mt MEITNERIUM	110 (281) Ds DARMSTADIUM	111 (280) Rg ROENTGENIUM	112 (285) Cn COPERNICIUM	113 (285) Nh NIHONIUM	114 (287) Fl FLEROVIUM	115 (289) Mc MOSCOVIUM	116 (291) Lv LIVERMORIUM	117 (294) Ts TENNESSINE	118 (294) Og OGANESSON	