

PERIODIC TABLE OF THE ELEMENTS

GROUP

PERIOD

1	1A
1	1.008
1	H
HYDROGEN	
2	2A
3	6.94
3	Li
LITHIUM	
4	9.0122
4	Be
BERYLLIUM	
11	22.990
11	Na
SODIUM	
12	24.305
12	Mg
MAGNESIUM	
19	39.098
19	K
POTASSIUM	
20	40.078
20	Ca
CALCIUM	
37	85.468
37	Rb
RUBIDIUM	
38	87.62
38	Sr
STRONTIUM	
55	132.91
55	Cs
CAESIUM	
56	137.33
56	Ba
BARIUM	
57	138.91
57	La
LANTHANUM	
58	140.12
58	Ce
CERIUM	
59	140.91
59	Pr
PRASEODYMIUM	
60	144.24
60	Nd
NEODYMIUM	
61	(145)
61	Pm
PROMETHIUM	
62	150.36
62	Sm
SAMARIUM	
63	151.96
63	Eu
EUROPIUM	
64	157.25
64	Gd
GADOLINIUM	
65	158.93
65	Tb
TERBIUM	
66	162.50
66	Dy
DYSPROSIUM	
67	164.93
67	Ho
HOLMIUM	
68	167.26
68	Er
ERBIUM	
69	168.93
69	Tm
THULIUM	
70	173.05
70	Yb
YTTTERBIUM	
71	174.97
71	Lu
LUTETIUM	
72	178.49
72	Hf
HAFNIUM	
73	180.95
73	Ta
TANTALUM	
74	183.84
74	W
TUNGSTEN	
75	186.21
75	Re
RHENIUM	
76	190.23
76	Os
OSMIUM	
77	192.22
77	Ir
IRIDIUM	
78	195.08
78	Pt
PLATINUM	
79	196.97
79	Au
GOLD	
80	200.59
80	Hg
MERCURY	
81	204.38
81	Tl
THALLIUM	
82	207.2
82	Pb
LEAD	
83	208.98
83	Bi
BISMUTH	
84	(209)
84	Po
POLONIUM	
85	(210)
85	At
ASTATINE	
86	(210)
86	Rn
RADON	
87	(223)
87	Fr
FRANCIUM	
88	(226)
88	Ra
RADIUM	
89	(227)
89	Ac
ACTINIUM	
90	232.04
90	Th
THORIUM	
91	231.04
91	Pa
PROTACTINIUM	
92	238.03
92	U
URANIUM	
93	(237)
93	Np
NEPTUNIUM	
94	(244)
94	Pu
PLUTONIUM	
95	(243)
95	Am
AMERICIUM	
96	(247)
96	Cm
CURIUM	
97	(247)
97	Bk
BERKELIUM	
98	(251)
98	Cf
CALIFORNIUM	
99	(252)
99	Es
EINSTEINIUM	
100	(257)
100	Fm
FERMIUM	
101	(258)
101	Md
MENDELEVIUM	
102	(259)
102	No
NOBELIUM	
103	(262)
103	Lr
LAWRENCIUM	
104	(267)
104	Rf
RUTHERFORDIUM	
105	(268)
105	Db
DUBNIUM	
106	(271)
106	Sg
SEABORGIUM	
107	(272)
107	Bh
BOHRUM	
108	(277)
108	Hs
HASSIUM	
109	(276)
109	Mt
MEITNERIUM	
110	(281)
110	Ds
DARMSSTADTIUM	
111	(280)
111	Rg
ROENTGENIUM	
112	(285)
112	Cn
COPERNICIUM	
113	(285)
113	Nh
NIHOVIUM	
114	(287)
114	Fl
FLEROVIUM	
115	(289)
115	Mc
MOSCOVIUM	
116	(291)
116	Lv
LIVERMORIUM	
117	(294)
117	Ts
TENNESSE	
118	(294)
118	Og
OGANESSON	

RELATIVE ATOMIC MASS (1)

GROUP IUPAC

GROUP CAS

ATOMIC NUMBER

SYMBOL

ELEMENT NAME

Metal

Semimetal

Nonmetal

Alkali metal

Alkaline earth metal

Transition metals

Lanthanide

Actinide

Chalcogens element

Halogens element

Noble gas

Ne - gas

Hg - liquid

Fe - solid

Ts - synthetic

(1) Pure Appl. Chem., 88, 205-291 (2016)

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18

VIIA

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

VIIA

10

20.180

Ne

NEON

13

IIIA

26.982

Al

ALUMINIUM

14

IVA

28.085

Si

SILICON

15

VA

30.974

P

PHOSPHORUS

16

VIA

32.06

S

SULPHUR

17

VIIA

35.45

Cl

CHLORINE

18

VIIA

39.948

Ar

ARGON

21

IIIB

44.956

Sc

SCANDIUM

22

IVB

47.867

Ti

TITANIUM

23

VB

50.942

V

Vanadium

24

VB

51.996

Cr

CHROMIUM

25

VI

54.938

Mn

MANGANESE

26

VI

55.845

Fe

IRON

27

VII

58.933

Co

COBALT

28

VII

58.693

Ni

NICKEL

29

VIII

63.546

Cu

COPPER

30

VIII

65.38

Zn

ZINC

31

VIII

69.723

Ga

GALLIUM

32

VIII

72.64

Ge

GERMANIUM

33

VIII

74.922

As

ARSENIC

34

VIII

78.971

Se

SELENIUM

35

VIII

79.904

Br

BROMINE

36

VIII

83.798

Kr

KRYPTON

39

VIII

88.906

Y

YTTRIUM

40

VIII

91.224

Zr

ZIRCONIUM

41

VIII

92.906

Nb

NIOBIUM

42

VIII

95.95

Mo

MOLYBDENUM

43

VIII

(98)

Tc

TECHNETIUM

44

VIII

101.07

Ru

RUTHENIUM

45

VIII

102.91

Rh

RHODIUM

46

VIII

106.42

Pd

PALLADIUM

47

VIII

107.87

Ag

SILVER

48

VIII

112.41

Cd

CADMIUM

49

VIII

114.82

In

INDIUM

50

VIII

118.71

Sn

TIN

51

VIII

121.76

Sb

ANTIMONY

52

VIII

127.60

Te

TELLURIUM

53

VIII

126.90

I

IODINE

54

VIII

131.29

Xe

XENON

55

VIII

132.91

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CAESIUM

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VIII

137.33

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Bi

BISMUTH

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VIII

(209)

Po

POLONIUM

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VIII

(210)

At

ASTATINE

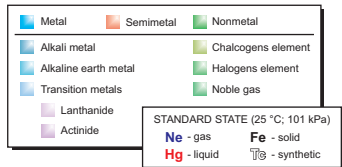
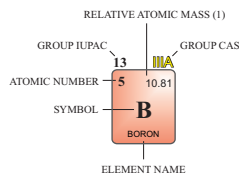
86

VIII

(210)

Rn

RADON



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

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