

Periodic Table of Elements

With Common Oxidation States

Group

1

(Ia)

106

[+4],+3

common oxidation state
(parenthesized; prediction)

atomic number

chemical symbol

name

standard atomic weight
or most stable mass number

106

Sg

Seaborgium

(269)

Period

1

2

3

4

5

6

7

1

H

Hydrogen

1.008

2

(IIa)

3

Li

Lithium

6.94

4

Be

Beryllium

9.0122

11

Na

Sodium

22.990

12

Mg

Magnesium

24.305

3

(IIb)

4

(IVb)

5

(Vb)

6

(VIb)

7

(VIIb)

8

(VIIIb)

9

(VIIIb)

10

(VIIIb)

11

(Ib)

12

(IIb)

13

B

Boron

10.811

14

C

Carbon

12.011

15

N

Nitrogen

14.007

16

O

Oxygen

15.999

17

F

Fluorine

18.998

18

Ne

Neon

20.180

19

K

Potassium

39.098

20

Ca

Calcium

40.078

21

Sc

Scandium

44.956

22

Ti

Titanium

47.867

23

V

Vanadium

50.942

24

Cr

Chromium

51.996

25

Mn

Manganese

54.938

26

Fe

Iron

55.845

27

Co

Cobalt

58.933

28

Ni

Nickel

58.693

29

Cu

Copper

63.546

30

Zn

Zinc

65.38

31

Ga

Gallium

69.723

32

Ge

Germanium

72.630

33

As

Arsenic

74.922

34

Se

Selenium

78.971

35

Br

Bromine

79.904

36

Kr

Krypton

83.798

37

Rb

Rubidium

85.468

38

Sr

Strontium

87.62

39

Y

Yttrium

88.906

40

Zr

Zirconium

91.224

41

Nb

Niobium

92.906

42

Mo

Molybdenum

95.95

43

Tc

Technetium

(98)

44

Ru

Ruthenium

101.07

45

Rh

Rhodium

102.91

46

Pd

Palladium

106.42

47

Ag

Silver

107.87

48

Cd

Cadmium

112.41

49

In

Indium

114.82

50

Sn

Tin

118.71

51

Sb

Antimony

121.76

52

Te

Tellurium

127.60

53

I

Iodine

126.90

54

Xe

Xenon

131.29

55

Cs

Cesium

132.91

56

Ba

Barium

137.33

57 - 71

La - Lu

*

72

Hf

Hafnium

178.49

73

Ta

Tantalum

180.95

74

W

Tungsten

183.84

75

Re

Rhenium

186.21

76

Os

Osmium

190.23

77

Ir

Iridium

192.22

78

Pt

Platinum

195.08

79

Au

Gold

196.97

80

Hg

Mercury

200.59

81

Tl

Thallium

204.38

82

Pb

Lead

207.2

83

Bi

Bismuth

208.98

84

Po

Polonium

(209)

85

At

Astatine

(210)

86

Rn

Radon

(222)

87

Fr

Francium

(223)

88

Ra

Radium

(226)

89 - 103

Ac - Lr

**

104

Rf

Rutherfordium

(267)

105

Db

Dubnium

(268)

106

Sg

Seaborgium

(269)

107

Bh

Bohrium

(270)

108

Hs

Hassium

(269)

109

Mt

Meitnerium

(278)

110

Ds

Darmstadtium

(281)

111

Rg

Roentgenium

(282)

112

Cn

Copernicium

(285)

113

Nh

Nihonium

(286)

114

Fl

Flerovium

(289)

115

Mc

Moscovium

(290)

116

Lv

Livermorium

(293)

117

Ts

Tennessine

(294)

118

Og

Oganesson

(294)

57

La

Lanthanum

138.91

58

Ce

Cerium

140.12

59

Pr

Praseodymium

140.91

60

Nd

Neodymium

144.24

61

Pm

Promethium

(145)

62

Sm

Samarium

150.36

63

Eu

Europium

151.96

64

Gd

Gadolinium

157.25

65

Tb

Terbium

158.93

66

Dy

Dysprosium

162.50

67

Ho

Holmium

164.93

68

Er

Erbium

167.25

69

Tm

Thulium

168.93

70

Yb

Ytterbium

173.05

71

Lu

Lutetium

174.97

89

Ac

Actinium

(227)

90

Th

Thorium

232.04

91

Pa

Protactinium

231.04

92

U

Uranium

238.03

93

Np

Neptunium

(237)

94

Pu

Plutonium

(244)

95

Am

Americium

(243)

96

Cm

Curium

(247)

97

Bk

Berkelium

(247)

98

Cf

Californium

(251)

99

Es

Einsteinium

(252)

100

Fm

Fermium

(257)

101

Md

Mendelevium

(258)

102

No

Nobelium

(259)

103

Lr

Lawrencium

(266)

★

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