

The Periodic Table of Elements

1

2

3

4

5

6

7

0 (8)

1.0

H

hydrogen

1

(1)

6.9

Li

lithium

3

(2)

9.0

Be

beryllium

4

relative atomic mass

atomic symbol

name

atomic (proton) number

(13)

10.8

B

boron

5

(14)

12.0

C

carbon

6

(15)

14.0

N

nitrogen

7

(16)

16.0

O

oxygen

8

(17)

19.0

F

fluorine

9

0 (8)

4.0

He

helium

2

(3)

23.0

Na

sodium

11

(4)

24.3

Mg

magnesium

12

(5)

27.0

Al

aluminium

13

(6)

28.1

Si

silicon

14

(7)

31.0

P

phosphorus

15

(8)

32.1

S

sulfur

16

(9)

35.5

Cl

chlorine

17

(10)

39.9

Ar

argon

18

(11)

39.1

K

potassium

19

(12)

40.1

Ca

calcium

20

(13)

45.0

Sc

scandium

21

(14)

47.9

Ti

titanium

22

(15)

50.9

V

vanadium

23

(16)

52.0

Cr

chromium

24

(17)

54.9

Mn

manganese

25

(18)

55.8

Fe

iron

26

(19)

58.9

Co

cobalt

27

(20)

58.7

Ni

nickel

28

(21)

63.5

Cu

copper

29

(22)

65.4

Zn

zinc

30

(23)

69.7

Ga

gallium

31

(24)

72.6

Ge

germanium

32

(25)

74.9

As

arsenic

33

(26)

79.0

Se

selenium

34

(27)

79.9

Br

bromine

35

(28)

83.8

Kr

krypton

36

(29)

85.5

Rb

rubidium

37

(30)

87.6

Sr

strontium

38

(31)

88.9

Y

yttrium

39

(32)

91.2

Zr

zirconium

40

(33)

92.9

Nb

niobium

41

(34)

95.9

Mo

molybdenum

42

(35)

[98]

Tc

technetium

43

(36)

101.1

Ru

ruthenium

44

(37)

102.9

Rh

rhodium

45

(38)

106.4

Pd

palladium

46

(39)

107.9

Ag

silver

47

(40)

112.4

Cd

cadmium

48

(41)

114.8

In

indium

49

(42)

118.7

Sn

tin

50

(43)

121.8

Sb

antimony

51

(44)

127.6

Te

tellurium

52

(45)

126.9

I

iodine

53

(46)

131.3

Xe

xenon

54

(47)

132.9

Cs

caesium

55

(48)

137.3

Ba

barium

56

(49)

138.9

La*

lanthanum

57

(50)

178.5

Hf

hafnium

72

(51)

180.9

Ta

tantalum

73

(52)

183.8

W

tungsten

74

(53)

186.2

Re

rhenium

75

(54)

190.2

Os

osmium

76

(55)

192.2

Ir

iridium

77

(56)

195.1

Pt

platinum

78

(57)

197.0

Au

gold

79

(58)

200.6

Hg

mercury

80

(59)

204.4

Tl

thallium

81

(60)

207.2

Pb

lead

82

(61)

209.0

Bi

bismuth

83

(62)

[209]

Po

polonium

84

(63)

[210]

At

astatine

85

(64)

[222]

Rn

radon

86

(65)

[223]

Fr

francium

87

(66)

[226]

Ra

radium

88

(67)

[227]

Ac*

actinium

89

(68)

[261]

Rf

rutherfordium

104

(69)

[262]

Db

dubnium

105

(70)

[266]

Sg

seaborgium

106

(71)

[264]

Bh

bohrium

107

(72)

[277]

Hs

hassium

108

(73)

[268]

Mt

meitnerium

109

(74)

[271]

Ds

darmstadtium

110

(75)

[272]

Rg

roentgenium

111

Elements with atomic numbers 112-116 have been reported but not fully authenticated

* Lanthanide series

* Actinide series

140 Ce cerium 58	141 Pr praseodymium 59	144 Nd neodymium 60	[147] Pm promethium 61	150 Sm samarium 62	152 Eu europium 63	157 Gd gadolinium 64	159 Tb terbium 65	163 Dy dysprosium 66	165 Ho holmium 67	167 Er erbium 68	169 Tm thulium 69	173 Yb ytterbium 70	175 Lu lutetium 71
232 Th thorium 90	[231] Pa protactinium 91	238 U uranium 92	[237] Np neptunium 93	[242] Pu plutonium 94	[243] Am americium 95	[247] Cm curium 96	[245] Bk berkelium 97	[251] Cf californium 98	[254] Es einsteinium 99	[253] Fm fermium 100	[256] Md mendelevium 101	[254] No nobelium 102	[257] Lr lawrencium 103