

1

1.0079

H

Hydrogen

2

2 IIA

3

6.941

Li

Lithium

4

9.0122

Be

Beryllium

11

22.990

Na

Sodium

12

24.305

Mg

Magnesium

3 IIIA

4 IVB

5 VB

6 VIB

7 VIIB

8 VIIIB

9 VIIIB

10 VIIIB

11 IB

12 IIB

13 IIIA

14 IVA

15 VA

16 VIA

17 VIIA

18 VIIIA

5

10.811

B

Boron

6

12.011

C

Carbon

7

14.007

N

Nitrogen

8

15.999

O

Oxygen

9

18.998

F

Flourine

10

20.180

Ne

Neon

13

26.982

Al

Aluminium

14

28.086

Si

Silicon

15

30.974

P

Phosphorus

16

32.065

S

Sulphur

17

35.453

Cl

Chlorine

18

39.948

Ar

Argon

19

39.098

K

Potassium

20

40.078

Ca

Calcium

21

44.956

Sc

Scandium

22

47.867

Ti

Titanium

23

50.942

V

Vanadium

24

51.996

Cr

Chromium

25

54.938

Mn

Mangnese

26

55.845

Fe

Iron

27

58.933

Co

Cobalt

28

58.693

Ni

Nickel

29

63.546

Cu

Copper

30

65.39

Zn

Zinc

31

69.723

Ga

Gallium

32

72.64

Ge

Germanium

33

74.922

As

Arsenic

34

78.96

Se

Selenium

35

79.904

Br

Bromine

36

83.8

Kr

Krypton

37

85.468

Rb

Rubidium

38

87.62

Sr

Strontium

39

88.906

Y

Yttrium

40

91.224

Zr

Zirconium

41

92.906

Nb

Niobium

42

95.94

Mo

Molybdenum

43

96

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

127.6

Te

Tellurium

53

126.9

I

Iodine

54

131.29

Xe

Xenon

55

132.91

Cs

Caesium

56

137.33

Ba

Barium

57-71

La-Lu

Lanthanide

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

87

223

Fr

Francium

88

226

Ra

Radium

89-103

Ac-Lr

Actinide

104

261

Rf

Rutherfordium

105

262

Db

Dubnium

106

266

Sg

Seaborgium

107

264

Bh

Bohrium

108

277

Hs

Hassium

109

268

Mt

Meitnerium

110

281

Ds

Darmstadtium

111

280

Rg

Roentgenium

112

285

Uub

Ununbium

113

284

Uut

Ununtrium

114

289

Uuq

Ununquadium

115

288

Uup

Ununpentium

116

293

Uuh

Ununhexium

117

292

Uus

Ununseptium

118

294

Uuo

Ununoctium

Alkali Metal

Alkaline Earth Metal

Metal

Metalloid

Non-metal

Halogen

Noble Gas

Lanthanide/Actinide

Z

mass

Symbol

Name

man-made

57

138.91

La

Lanthanum

58

140.12

Ce

Cerium

59

140.91

Pr

Praseodymium

60

144.24

Nd

Neodymium

61

145

Pm

Promethium

62

150.36

Sm

Samarium

63

151.96

Eu

Europium

64

157.25

Gd

Gadolinium

65

158.93

Tb

Terbium

66

162.50

Dy

Dysprosium

67

164.93

Ho

Holmium

68

167.26

Er

Erbium

69

168.93

Tm

Thulium

70

173.04

Yb

Ytterbium

71

174.97

Lu

Lutetium

89

227

Ac

Actinium

90

232.04

Th

Thorium

91

231.04

Pa

Protactinium

92

238.03

U

Uranium

93

237

Np

Neptunium

94

244

Pu

Plutonium

95

243

Am

Americium

96

247

Cm

Curium

97

247

Bk

Berkelium

98

251

Cf

Californium

99

252

Es

Einsteinium

100

257

Fm

Fermium

101

258

Md

Mendelevium

102

259

No

Nobelium

103

262

Lr

Lawrencium