

1

H

Hydrogen

1.008

3

Li

Lithium

6.94

4

Be

Beryllium

9.012

11

Na

Sodium

22.99

12

Mg

Magnesium

24.3

19

K

Potassium

39.1

20

Ca

Calcium

40.08

21

Sc

Scandium

44.96

22

Ti

Titanium

47.87

23

V

Vanadium

50.94

24

Cr

Chromium

52

25

Mn

Manganese

54.94

26

Fe

Iron

55.85

27

Co

Cobalt

58.93

28

Ni

Nickel

58.69

29

Cu

Copper

63.55

30

Zn

Zinc

65.38

31

Ga

Gallium

69.72

32

Ge

Germanium

72.63

33

As

Arsenic

74.92

34

Se

Selenium

78.97

35

Br

Bromine

79.9

36

Kr

Krypton

83.8

37

Rb

Rubidium

85.47

38

Sr

Strontium

87.62

39

Y

Yttrium

88.91

40

Zr

Zirconium

91.22

41

Nb

Niobium

92.91

42

Mo

Molybdenum

95.95

43

Tc

Technetium

98

44

Ru

Ruthenium

101.1

45

Rh

Rhodium

102.9

46

Pd

Palladium

106.4

47

Ag

Silver

107.9

48

Cd

Cadmium

112.4

49

In

Indium

114.8

50

Sn

Tin

118.7

51

Sb

Antimony

121.8

52

Te

Tellurium

127.6

53

I

Iodine

126.9

54

Xe

Xenon

131.3

55

Cs

Cesium

132.9

56

Ba

Barium

137.3

72

Hf

Hafnium

178.5

73

Ta

Tantalum

180.9

74

W

Tungsten

183.8

75

Re

Rhenium

186.2

76

Os

Osmium

190.2

77

Ir

Iridium

192.2

78

Pt

Platinum

195.1

79

Au

Gold

197

80

Hg

Mercury

200.6

81

Tl

Thallium

204.4

82

Pb

Lead

207.2

83

Bi

Bismuth

209

84

Po

Polonium

209

85

At

Astatine

210

86

Rn

Radon

222

87

Fr

Francium

223

88

Ra

Radium

226

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

289

116

Lv

Livermorium

293

117

Ts

Tennesine

294

118

Og

Oganesson

294

57

La

Lanthanum

138.9

58

Ce

Cerium

140.1

59

Pr

Praseodymium

140.9

60

Nd

Neodymium

144.2

61

Pm

Promethium

145

62

Sm

Samarium

150.4

63

Eu

Europium

152

64

Gd

Gadolinium

157.3

65

Tb

Terbium

158.9

66

Dy

Dysprosium

162.5

67

Ho

Holmium

164.9

68

Er

Erbium

167.3

69

Tm

Thulium

168.9

70

Yb

Ytterbium

173

71

Lu

Lutetium

175

89

Ac

Actinium

227

90

Th

Thorium

232

91

Pa

Protactinium

231

92

U

Uranium

238

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

2

He

Helium

4.003

5

B

Boron

10.81

6

C

Carbon

12.01

7

N

Nitrogen

14.01

8

O

Oxygen

16

9

F

Fluorine

19

10

Ne

Neon

20.18

13

Al

Aluminum

26.98

14

Si

Silicon

28.09

15

P

Phosphorus

30.97

16

S

Sulfur

32.06

17

Cl

Chlorine

35.45

18

Ar

Argon

39.95