-1

+1

Hydrogen

**1**

1.00794

**H**

Helium

**2**

4.0026

**He**

+1

Lithium

**3**

6.941

**Li**

+2

Beryllium

**4**

9.01282

**Be**

+3

Boron

**5**

10.811

**B**

-4

+4

Carbon

**6**

12.011

**C**

-3

+3

+5

Nitrogen

**7**

14.0067

**N**

-2

Oxygen

**8**

15.9994

**O**

-1

Fluorine

**9**

18.9984032

**F**

Neon

**10**

20.1797

**Ne**

+1

Sodium

**11**

22.989768

**Na**

+2

Magnesium

**12**

24.305

**Mg**

+3

Aluminum

**13**

26.98

**Al**

-4

+4

Silicon

**14**

28.0855

**Si**

-3

+3

+5

Phosphorous

**15**

30.973762

**P**

-2

+2

+4

+6

Sulfur

**16**

32.066

**S**

-1

+1

+3

+5

+7

Chlorine

**17**

35.4527

**Cl**

Argon

**18**

39.948

**Ar**

+1

Potassium

**19**

39.098

**K**

+2

Calcium

**20**

40.078

**Ca**

+3

Scandium

**21**

44.956

**Sc**

+2

+3

+4

Titanium

**22**

47.88

**Ti**

+2

+3

+5

Vanadium

**23**

50.9415

**V**

+2

+3

+6

Chromium

**24**

51.9961

**Cr**

+2

+4

+7

Manganese

**25**

54.93

**Mn**

+2

+3

Iron

**26**

55.85

**Fe**

+2

+3

Cobalt

**27**

58.93

**Co**

+2

Nickel

**28**

58.6934

**Ni**

+1

+2

Copper

**29**

63.546

**Cu**

+2

Zinc

**30**

65.39

**Zn**

+2

+3

Gallium

**31**

69.723

**Ga**

-4

+2

+4

Germanium

**32**

72.61

**Ge**

-3

+3

+5

Arsenic

**33**

74.92159

**As**

-2

+2

+4

+6

Selenium

**34**

78.96

**Se**

-1

+1

+3

+5

Bromine

**35**

79.904

**Br**

+2

Krypton

**36**

83.8

**Kr**

+1

Rubidium

**37**

85.47

**Rb**

+2

Strontium

**38**

87.62

**Sr**

+3

Yittrium

**39**

88.90585

**Y**

+4

Zirconium

**40**

91.224

**Zr**

+5

Niobium

**41**

92.90638

**Nb**

+4

+6

Molybdenum

**42**

95.94

**Mo**

+4

+7

Technetium

**43**

[97.907]

**Tc**

+3

+4

Ruthenium

**44**

101.07

**Ru**

+3

Rhodium

**45**

102.9055

**Rh**

+2

+4

Palladium

**46**

106.42

**Pd**

+1

Silver

**47**

107.8682

**Ag**

+2

Cadmium

**48**

112.411

**Cd**

+3

Indium

**49**

114.82

**In**

-4

+2

+4

Tin

**50**

118.71

**Sn**

-3

+3

+5

Antimony

**51**

121.57

**Sb**

-2

+2

+4

+6

Tellurium

**52**

127.6

**Te**

-1

+1

+3

+5

+7

Iodine

**53**

126.90447

**I**

+2

+4

+6

Xenon

**54**

131.29

**Xe**

+1

Cesium

**55**

132.90543

**Cs**

+2

Barium

**56**

137.327

**Ba**

+3

Lanthanium

**57**

138.91

**La**

+3

+4

Cerium

**58**

140.115

**Ce**

+3

Praseodymium

**59**

140.90765

**Pr**

+3

Neodymium

**60**

144.24

**Nd**

+3

Promethium

**61**

144.9128

**Pm**

+3

Samarium

**62**

150.36

**Sm**

+2

+3

Europium

**63**

151.965

**Eu**

+3

Gadolinium

**64**

157.25

**Gd**

+3

Terbium

**65**

158.92534

**Tb**

+3

Dysprosium

**66**

162.5

**Dy**

+3

Holmium

**67**

164.9032

**Ho**

+3

Erbium

**68**

167.26

**Er**

+3

Thulium

**69**

168.934

**Tm**

+3

Ytterbium

**70**

173.04

**Yb**

+3

Lutetium

**71**

174.967

**Lu**

+4

Hafnium

**72**

178.49

**Hf**

+5

Tantalum

**73**

180.9479

**Ta**

+4

+6

Tungsten

**74**

183.85

**W**

+4

Rhenium

**75**

186.2

**Re**

+4

Osmium

**76**

190.2

**Os**

+3

+4

Iridium

**77**

192.22

**Ir**

+2

+4

Platinum

**78**

195.08

**Pt**

+1

+3

Gold

**79**

196.96654

**Au**

+1

+2

Mercury

**80**

200.59

**Hg**

+1

+3

Thallium

**81**

204.383

**Tl**

+2

+4

Lead

**82**

207.2

**Pb**

+3

Bismuth

**83**

208.98037

**Bi**

-2

+2

+4

Polonium

**84**

[208.98]

**Po**

-1

+1

Astatine

**85**

[209.98]

**At**

Radon

**86**

[222.02]

**Rn**

+1

Francium

**87**

[223.02]

**Fr**

+2

Radium

**88**

[226.03]

**Ra**

+3

Actinium

**89**

[227.03]

**Ac**

+4

Thorium

**90**

232.0381

**Th**

+5

Protactinium

**91**

231.03588

**Pa**

+6

Uranium

**92**

238.03

**U**

+5

Neptunium

**93**

[237.05]

**Np**

+4

Plutonium

**94**

[244.06]

**Pu**

+3

Americium

**95**

[243.06]

**Am**

+3

Curium

**96**

[247.07]

**Cm**

+3

Berkelium

**97**

[247.07]

**Bk**

+3

Californium

**98**

[251.08]

**Cf**

+3

Einsteinium

**99**

[252.08]

**Es**

+3

Fermium

**100**

[257.10]

**Fm**

+3

Mendelevium

**101**

[258.10]

**Md**

+2

Nobelium

**102**

[259.10]

**No**

+3

Lawrencium

**103**

[262.11]

**Lr**

+4

Rutherfordium

**104**

[265.12]

**Rf**

+5

Dubnium

**105**

[268.13]

**Db**

+6

Seaborgium

**106**

[271.12]

**Sg**

+7

Bohrium

**107**

[270]

**Bh**

+8

Hassium

**108**

[277.15]

**Hs**

Meitnerium

**109**

[276.15]

**Mt**

Darmstadtium

**110**

[281.16]

**Ds**

Roentgenium

**111**

[280.16]

**Rg**

Copernicum

**112**

[285.17]

**Cn**

Ununtrium

**113**

[284.18]

**Uut**

Flerovium

**114**

[289.19]

**Fl**

Ununpentium

**115**

[288.19]

**Uup**

Livermorium

**116**

[293]

**Lv**

Ununseptium

**117**

[294]

**Uus**

Ununoctium

**118**

[294]

**Uuo**