

The Periodic Table of Elements

1

H

HYDROGEN

1

3

Li

LITHIUM

7

11

Na

SODIUM

23

19

K

POTASSIUM

39

37

Rb

RUBIDIUM

85

55

Cs

CESIUM

133

87

Fr

FRANCIUM

223

4

Be

BERYLLIUM

9

12

Mg

MAGNESIUM

24

20

Ca

CALCIUM

40

38

Sr

STRONTIUM

88

56

Ba

BARIUM

137

88

Ra

RADIUM

226

6

C

CARBON

12

Atomic Number = Number of Protons = Number of Electrons

Chemical Symbol

Chemical Name

Atomic Weight = Number of Protons + Number of Neutrons*

5

B

BORON

11

13

Al

ALUMINUM

27

31

Ga

GALLIUM

70

49

In

INDIUM

115

67

Tl

THALLIUM

204

81

Bi

BISMUTH

209

97

At

ASTATINE

210

105

Db

DUBNIUM

270

113

Uut

UNUNTRIUM

286

121

Uuh

UNUNHEXIUM

291

127

Uus

UNUNSEPTIUM

294

128

Uuo

UNUNOCTIUM

294

6

C

CARBON

12

14

Si

SILICON

28

32

Ge

GERMANIUM

73

50

Sn

TIN

119

68

Pb

LEAD

207

82

Po

POLONIUM

209

98

At

ASTATINE

210

106

Db

DUBNIUM

270

114

Uuq

UNUNQUADIUM

289

122

Uus

UNUNSEPTIUM

294

7

N

NITROGEN

14

15

P

PHOSPHORUS

31

33

As

ARSENIC

75

51

Sb

ANTIMONY

122

69

Tl

THALLIUM

204

83

Bi

BISMUTH

209

99

At

ASTATINE

210

107

Db

DUBNIUM

270

115

Uup

UNUNPENTIUM

289

123

Uus

UNUNSEPTIUM

294

8

O

OXYGEN

16

16

S

SULFUR

32

34

Se

SELENIUM

79

52

Te

TELLURIUM

128

70

Pb

LEAD

207

84

Po

POLONIUM

209

100

At

ASTATINE

210

108

Db

DUBNIUM

270

116

Uuh

UNUNHEXIUM

291

124

Uus

UNUNSEPTIUM

294

9

F

FLUORINE

19

17

Cl

CHLORINE

35

35

Br

BROMINE

80

53

I

IODINE

127

71

At

ASTATINE

210

99

At

ASTATINE

210

109

Db

DUBNIUM

270

117

Uus

UNUNSEPTIUM

294

10

Ne

NEON

20

18

Ar

ARGON

40

36

Kr

KRYPTON

84

54

Xe

XENON

131

86

Rn

RADON

222

118

Uuo

UNUNOCTIUM

294

METALS

NON-METALS

6 ← **C** →

← **CARBON** →

12 ←

Atomic Number = Number of Protons = Number of Electrons

Chemical Symbol

Chemical Name

Atomic Weight = Number of Protons + Number of Neutrons*

NON-METALS

METALS

KEY

- = Solid at room temperature
- = Liquid at room temperature
- = Gas at room temperature
- = Radioactive
- = Artificially Made

57 La LANTHANUM 139	58 Ce CERIUM 140	59 Pr PRASEODYMIUM 141	60 Nd NEODYMIUM 144	61 Pm PROMETHIUM 145	62 Sm SAMARIUM 150	63 Eu EUROPIUM 152	64 Gd GADOLINIUM 157	65 Tb TERBIUM 159	66 Dy DYSPROSIUM 163	67 Ho HOLMIUM 165	68 Er ERBIUM 167	69 Tm THULIUM 169	70 Yb YTTERIUM 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 262

* The atomic weights listed on this Table of Elements have been rounded to the nearest whole number. As a result, this chart actually displays the **mass number** of a specific isotope for each element. An element's complete, unrounded atomic weight can be found on the It's Elemental web site: <http://education.jlab.org/itselemental/index.html>