

PERIODIC TABLE OF ELEMENTS & IONS

ADLC

Alberta Distance
Learning Centre

ADLC

Alberta Distance Learning Centre

18

VIII

2

He

Helium

4.00

13

IIIA

5

B

Boron

10.81

14

IVA

6

C

Carbon

12.01

15

VA

7

N

Nitrogen

14.00

16

8

O

Oxygen

15.99

17

VIIA

9

F

Fluorine

18.99

10

10

Ne

Neon

20.17

13

13

Al

Aluminum

26.98

14

14

Si

Silicon

28.08

15

15

P

Phosphorus

30.97

16

16

S

Sulfur

32.06

17

17

Cl

Chlorine

35.45

18

18

Ar

Argon

39.94

19

19

K

Potassium

39.09

20

20

Ca

Calcium

40.07

21

21

Sc

Scandium

44.95

22

22

Ti

Titanium

47.86

23

23

V

Vanadium

50.94

24

24

Cr

Chromium

51.99

25

25

Mn

Manganese

54.93

26

26

Fe

Iron

55.84

27

27

Co

Cobalt

58.93

28

28

Ni

Nickel

58.69

29

29

Cu

Copper

63.54

30

30

Zn

Zinc

65.40

31

31

Ga

Gallium

69.72

32

32

Ge

Germanium

72.64

33

33

As

Arsenic

74.92

34

34

Se

Selenium

78.96

35

35

Br

Bromine

79.90

36

36

Kr

Krypton

83.80

37

37

Rb

Rubidium

85.46

38

38

Sr

Strontium

87.62

39

39

Y

Yttrium

88.90

40

40

Zr

Zirconium

91.22

41

41

Nb

Niobium

92.90

42

42

Mo

Molybdenum

95.94

43

43

Tc

Technetium

(98)

44

44

Ru

Ruthenium

101.07

45

45

Rh

Rhodium

102.90

46

46

Pd

Palladium

106.42

47

47

Ag

Silver

107.86

48

48

Cd

Cadmium

112.41

49

49

In

Indium

114.81

50

50

Sn

Tin

118.71

51

51

Sb

Antimony

121.76

52

52

Te

Tellurium

127.60

53

53

I

Iodine

126.90

54

54

Xe

Xenon

131.29

55

55

Cs

Cesium

132.90

56

56

Ba

Barium

137.32

57-71

89-103

72

72

Hf

Hafnium

178.49

73

73

Ta

Tantalum

180.94

74

74

W

Tungsten

183.84

75

75

Re

Rhenium

186.20

76

76

Os

Osmium

190.23

77

77

Ir

Iridium

192.21

78

78

Pt

Platinum

195.07

79

79

Au

Gold

196.96

80

80

Hg

Mercury

200.59

81

81

Tl

Thallium

204.38

82

82

Pb

Lead

207.2

83

83

Bi

Bismuth

208.98

84

84

Po

Polonium

(209)

85

85

At

Astatine

(210)

86

86

Rn

Radon

(222)

87

87

Fr

Francium

(223)

88

88

Ra

Radium

(226)

89-103

89-103

104

104

Rf

Rutherfordium

(261)

105

105

Db

Dubnium

(262)

106

106

Sg

Seaborgium

(266)

107

107

Bh

Bohrium

(264)

108

108

Hs

Hassium

(269)

109

109

Mt

Meitnerium

(268)

110

110

Ds

Darmstadtium

(271)

111

111

Rg

Roentgenium

(272)

112

112

Cn

Copernicium

(285)

113

113

Uut

Ununtrium

(284)

114

114

Fl

Flerovium

(289)

115

115

Uup

Ununpentium

(288)

116

116

Lv

Livermorium

(292)

117

117

Uus

Ununseptium

118

118

Uuo

Ununoctium

(unknown)

57

57

La

Lanthanum

138.90

58

58

Ce

Cerium

140.11

59

59

Pr

Praseodymium

140.90

60

60

Nd

Neodymium

144.24

61

61

Pm

Promethium

(145)

62

62

Sm

Samarium

150.36

63

63

Eu

Europium

151.96

64

64

Gd

Gadolinium

157.25

65

65

Tb

Terbium

158.92

66

66

Dy

Dysprosium

162.50

67

67

Ho

Holmium

164.93

68

68

Er

Erbium

167.25

69

69

Tm

Thulium

168.93

70

70

Yb

Ytterbium

173.04

71

71

Lu

Lutetium

174.96

89

89

Ac

Actinium

227

90

90

Th

Thorium

232.03

91

91

Pa

Protactinium

231.03

92

92

U

Uranium

238.02

93

93

Np

Neptunium

(237)

94

94

Pu

Plutonium

(244)

95

95

Am

Americium

(243)

96

96

Cm

Curium

(247)

97

97

Bk

Berkelium

(247)

98

98

Cf

Californium

(251)

99

99

Es

Einsteinium

(252)

100

100

Fm

Fermium

(257)

101

101

Md

Mendelevium

(258)

102

102

No

Nobelium

(259)

103

103

Lr

Lawrencium

(262)

1

IA

1

H

Hydrogen

1.01

2

IIA

4

Be

Beryllium

9.01

3

3

Li

Lithium

6.94

11

11

Na

Sodium

22.98

12

12

Mg

Magnesium

24.30

atomic number

83

3-

5+

ionic charge(s)

symbol

Bi

name

Bismuth

atomic mass

208.98

atomic number → **83**
symbol → **Bi**
name → Bismuth
atomic mass → 208.98
ionic charge(s) → 3- 5+

Alkali metals

Actinides

Lanthanides

Metalloids

Transition metals

Br Liquid

c Solid

Alkaline earths

Post-transition metals

Halogens

Noble gases

Non-metals

H Gas

Tc Synthetic