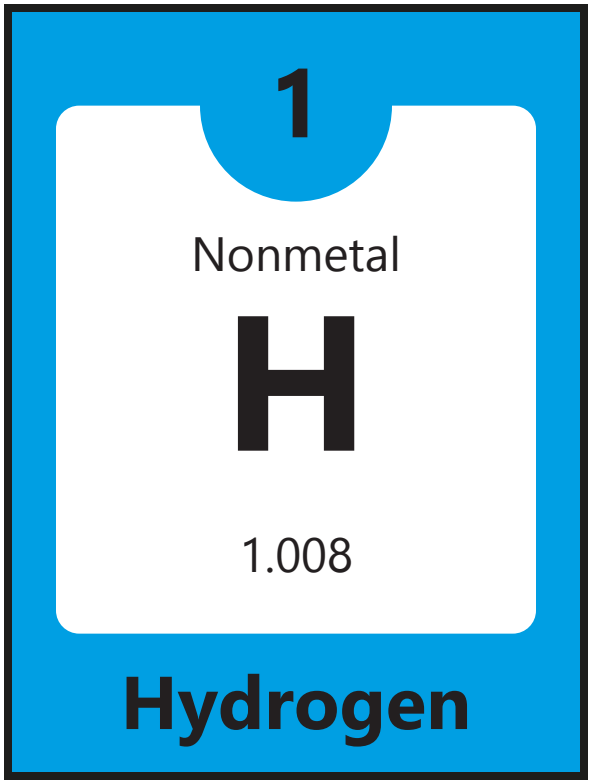
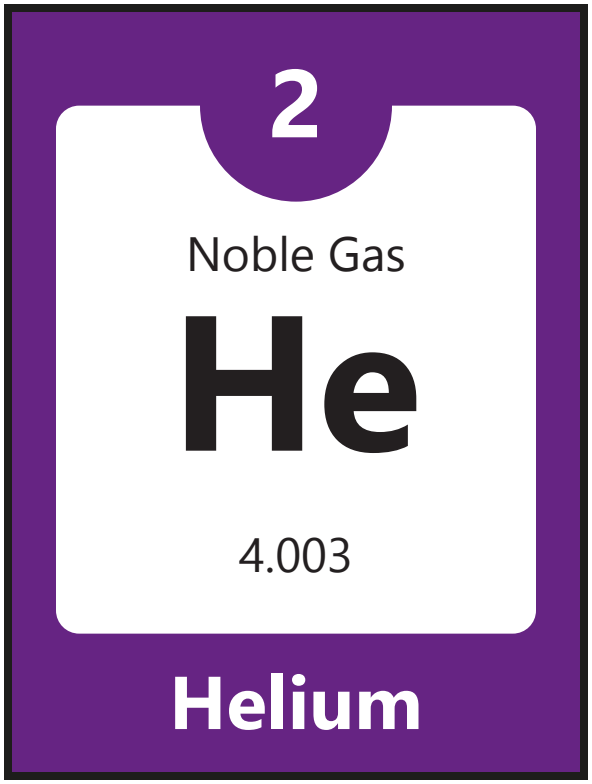
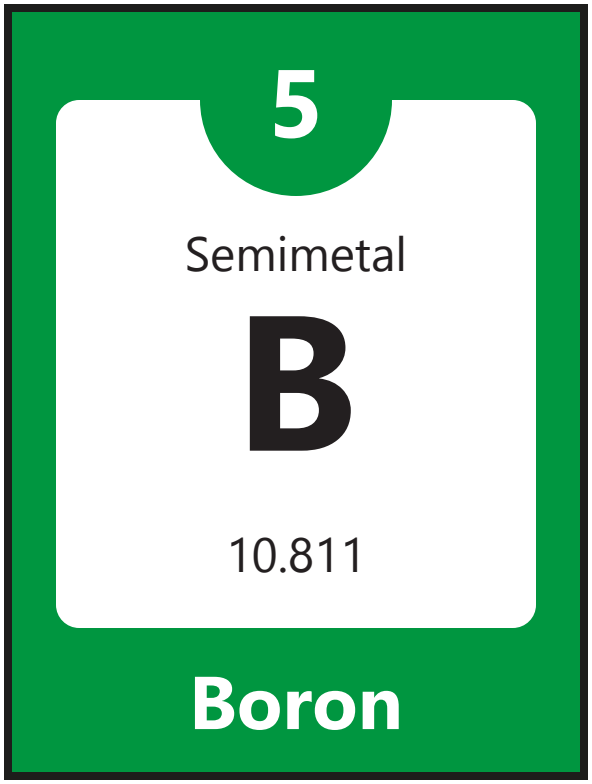

1
Nonmetal
H
1.008
Hydrogen

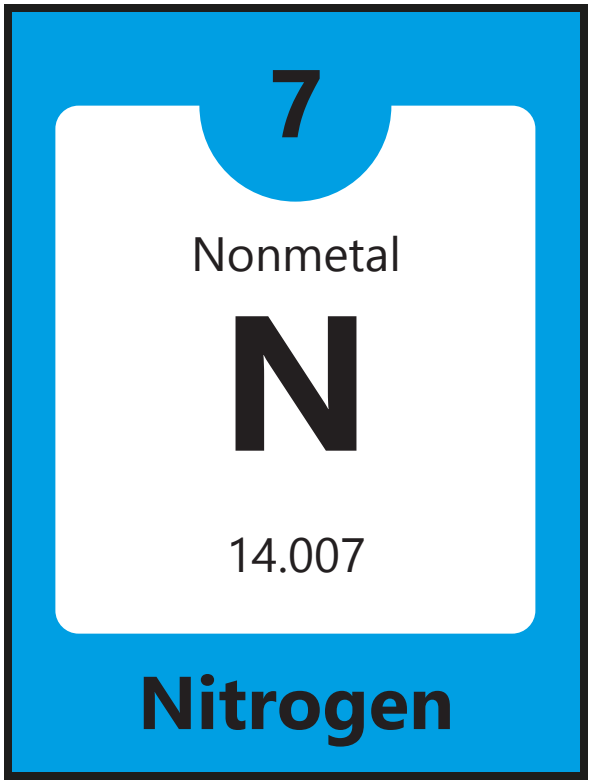

2
Noble Gas
He
4.003
Helium

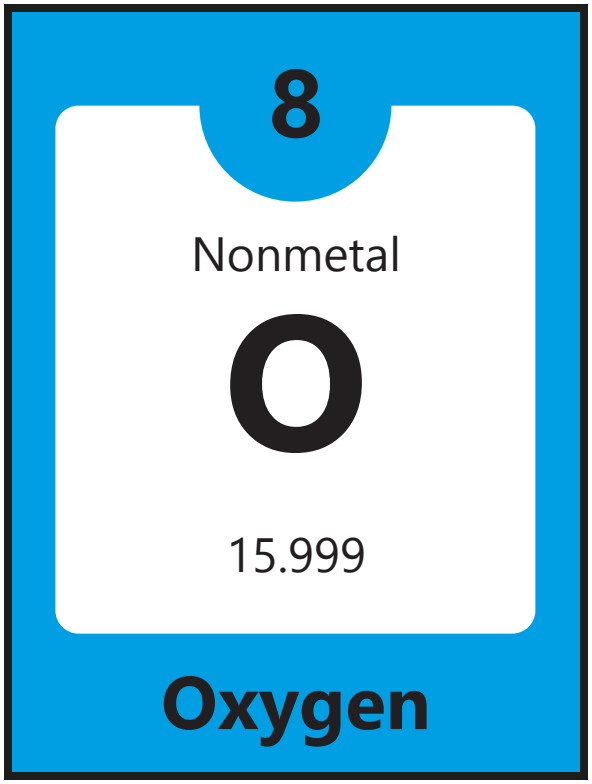
3
Alkali Metal
Li
6.941
Lithium

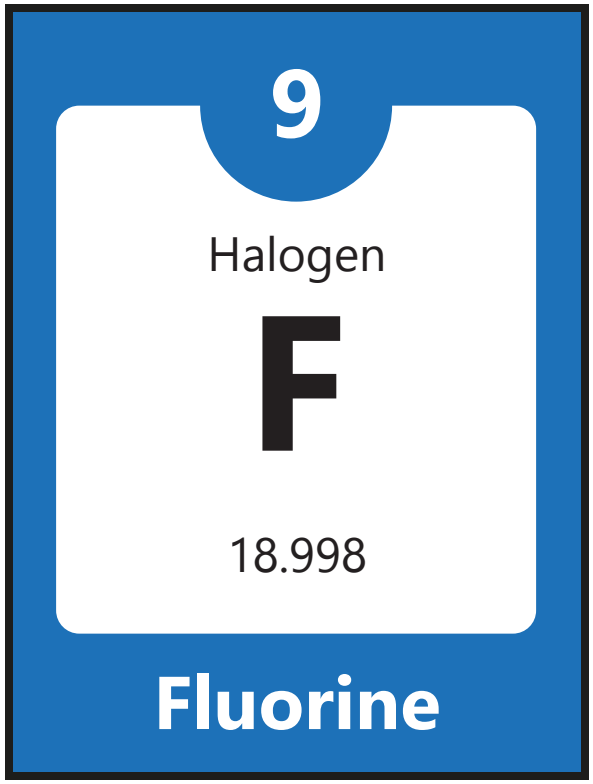
4
Alkaline Earth
Be
9.012
Beryllium

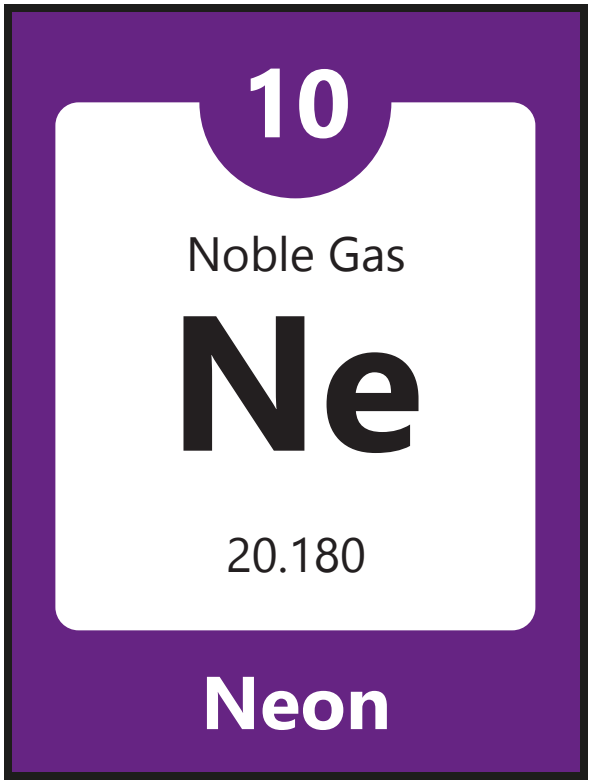

5
Semimetal
B
10.811
Boron

6
Nonmetal
C
12.011
Carbon


7
Nonmetal
N
14.007
Nitrogen


8
Nonmetal
O
15.999
Oxygen


9
Halogen
F
18.998
Fluorine


10
Noble Gas
Ne
20.180
Neon

11
Alkali Metal
Na
22.990
Sodium

12
Alkaline Earth
Mg
24.305
Magnesium

13

Basic Metal

Al

26.982

Aluminum

14

Semimetal

Si

28.086

Silicon

15

Nonmetal

P

30.974

Phosphorus

16

Nonmetal

S

32.066

Sulfur

17

Halogen

Cl

35.453

Chlorine

18

Noble Gas

Ar

39.948

Argon

19

Alkali Metal

K

39.098

Potassium

20

Alkaline Earth

Ca

40.078

Calcium

21

Transition Metal

Sc

44.956

Scandium

22

Transition Metal

Ti

47.88

Titanium

23

Transition Metal

V

50.942

Vanadium

24

Transition Metal

Cr

51.996

Chromium

25

Transition Metal

Mn

54.938

Manganese

26

Transition Metal

Fe

55.845

Iron

27

Transition Metal

Co

58.933

Cobalt

28

Transition Metal

Ni

58.693

Nickel

29

Transition Metal

Cu

63.546

Copper

30

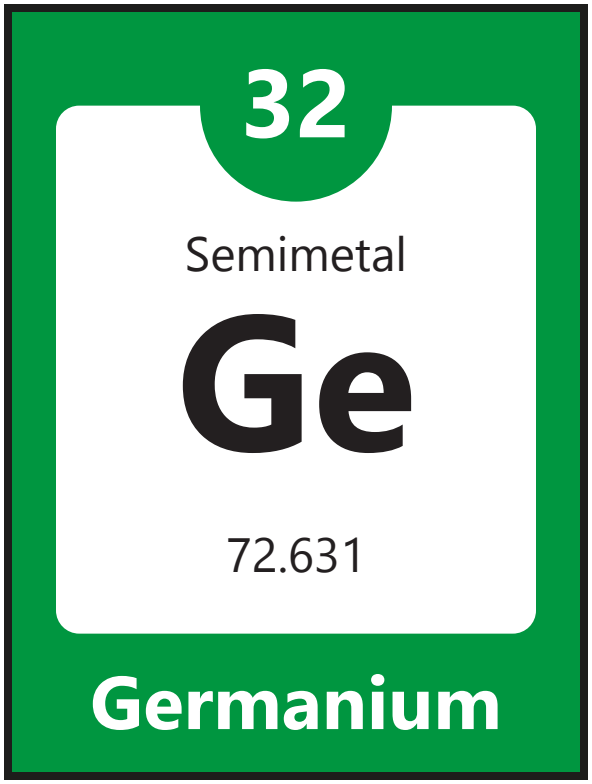
Transition Metal

Zn

65.38

Zinc

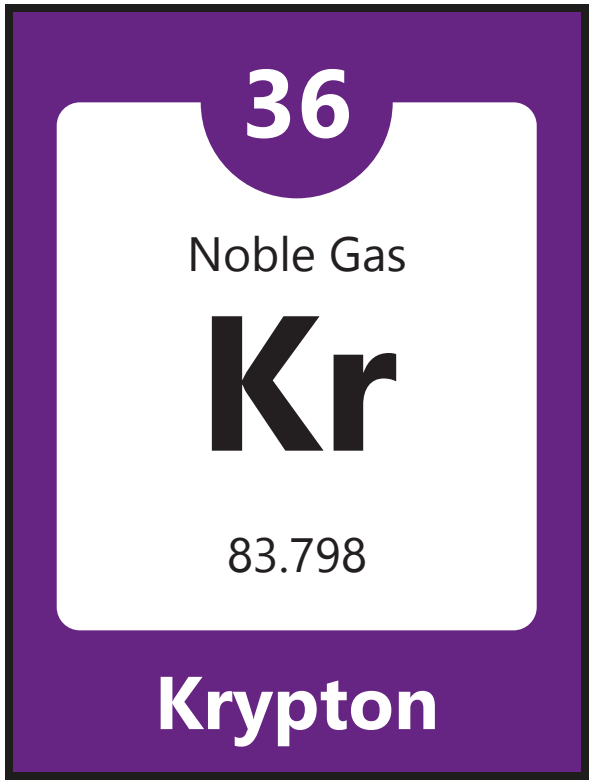
31
Basic Metal
Ga
69.723
Gallium


32
Semimetal
Ge
72.631
Germanium

33
Semimetal
As
74.922
Arsenic

34
Nonmetal
Se
78.971
Selenium

35
Halogen
Br
79.904
Bromine


36
Noble Gas
Kr
83.798
Krypton

37
Alkali Metal
Rb
85.468
Rubidium

38
Alkaline Earth
Sr
87.62
Strontium

39
Transition Metal
Y
88.906
Yttrium

40
Transition Metal
Zr
91.224
Zirconium

41
Transition Metal
Nb
92.906
Niobium

42
Transition Metal
Mo
95.95
Molybdenum

43

Transition Metal

Tc

98.907

Technetium

44

Transition Metal

Ru

101.07

Ruthenium

45

Transition Metal

Rh

102.906

Rhodium

46

Transition Metal

Pd

106.42

Palladium

47

Transition Metal

Ag

107.868

Silver

48

Transition Metal

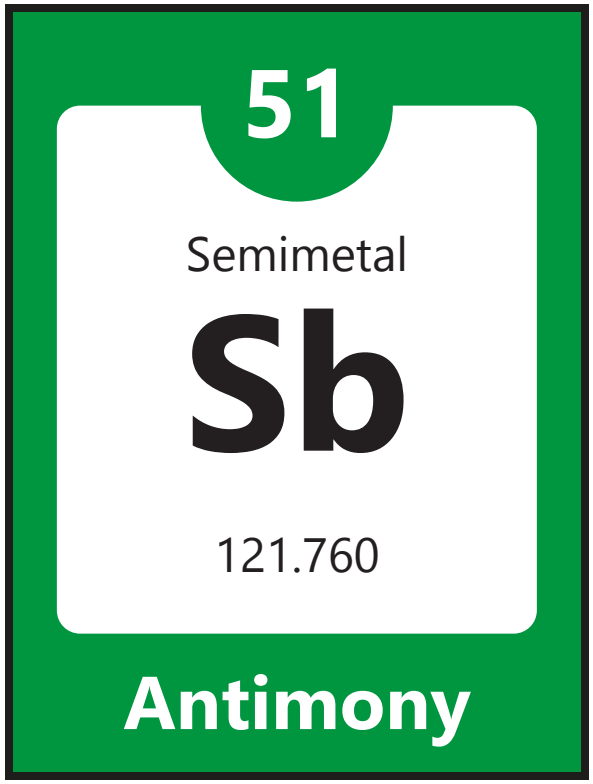
Cd

112.414

Cadmium

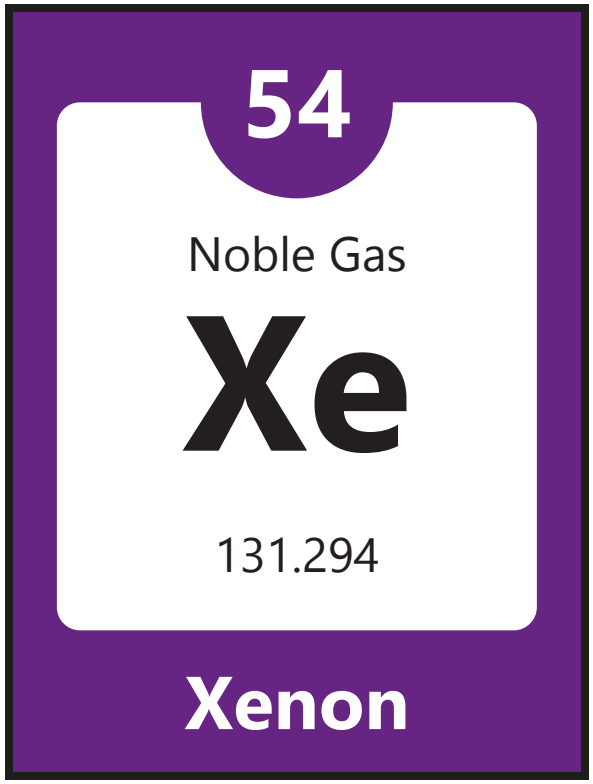
49
Basic Metal
In
114.818
Indium

50
Basic Metal
Sn
118.711
Tin

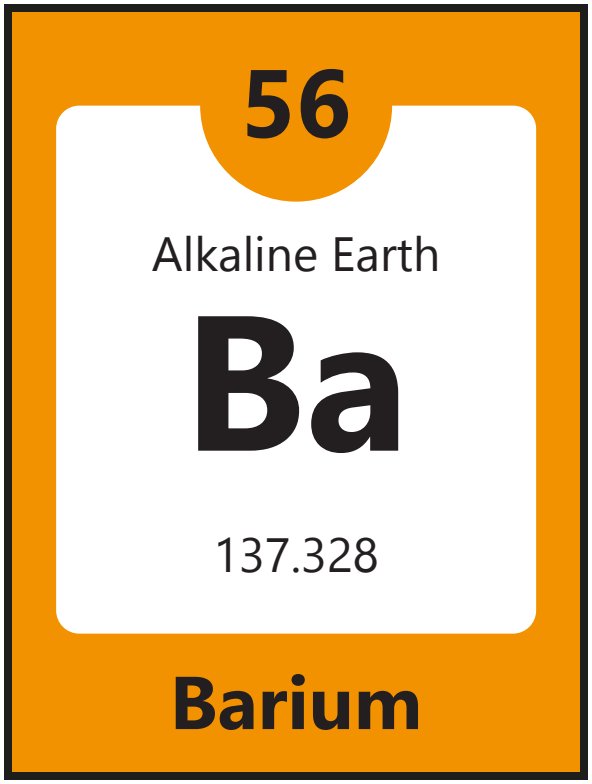

51
Semimetal
Sb
121.760
Antimony

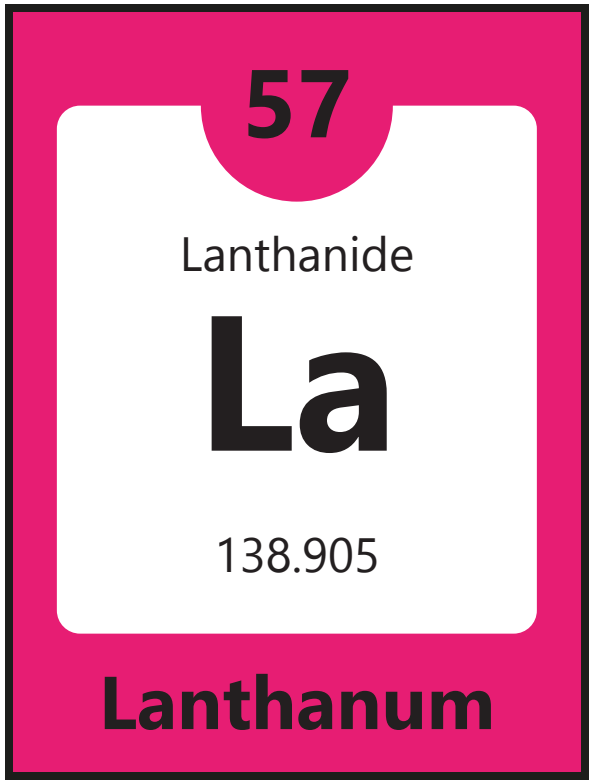
52
Semimetal
Te
127.6
Tellurium

53
Halogen
I
126.904
Iodine


54
Noble Gas
Xe
131.294
Xenon

55
Alkali Metal
Cs
132.905
Cesium


56
Alkaline Earth
Ba
137.328
Barium


57
Lanthanide
La
138.905
Lanthanum

58
Lanthanide
Ce
140.116
Cerium

59
Lanthanide
Pr
140.908
Praseodymium

60
Lanthanide
Nd
144.243
Neodymium

61

Lanthanide

Pm

144.913

Promethium

62

Lanthanide

Sm

150.36

Samarium

63

Lanthanide

Eu

151.964

Europium

64

Lanthanide

Gd

157.25

Gadolinium

65

Lanthanide

Tb

158.925

Terbium

66

Lanthanide

Dy

162.500

Dysprosium

67

Lanthanide

Ho

164.930

Holmium

68

Lanthanide

Er

167.259

Erbium

69

Lanthanide

Tm

168.934

Thulium

70

Lanthanide

Yb

173.055

Ytterbium

71

Lanthanide

Lu

174.967

Lutetium

72

Transition Metal

Hf

178.49

Hafnium

73

Transition Metal

Ta

180.948

Tantalum

74

Transition Metal

W

183.85

Tungsten

75

Transition Metal

Re

186.207

Rhenium

76

Transition Metal

Os

190.23

Osmium

77

Transition Metal

Ir

192.22

Iridium

78

Transition Metal

Pt

195.08

Platinum

79

Transition Metal

Au

196.967

Gold

80

Transition Metal

Hg

200.59

Mercury

81

Basic Metal

Tl

204.383

Thallium

82

Basic Metal

Pb

207.2

Lead

83

Basic Metal

Bi

208.980

Bismuth

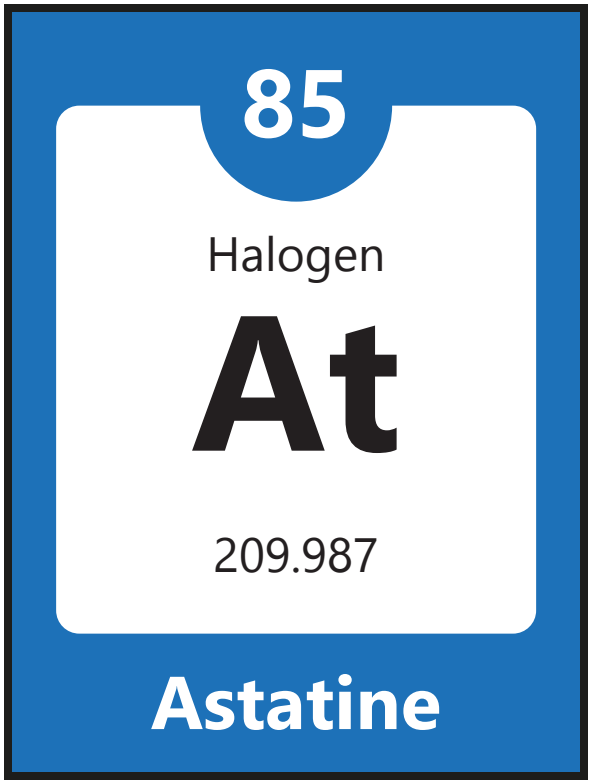
84

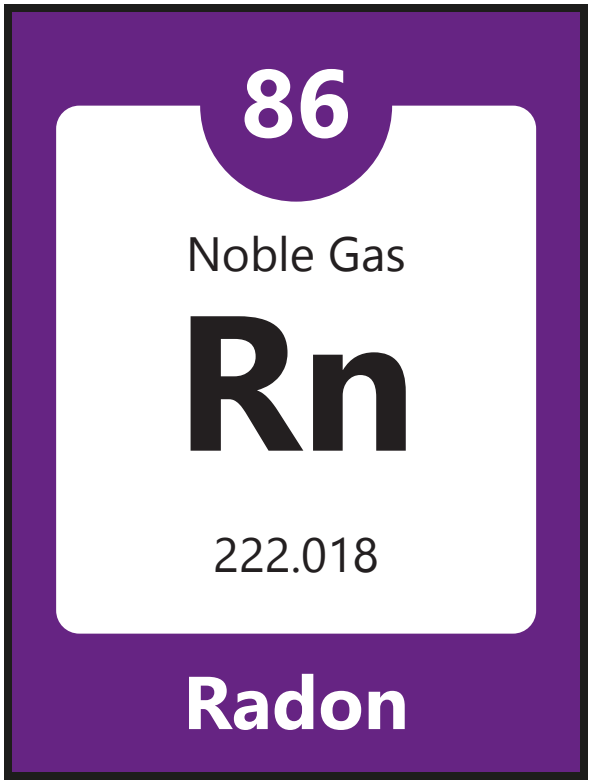
Semimetal

Po

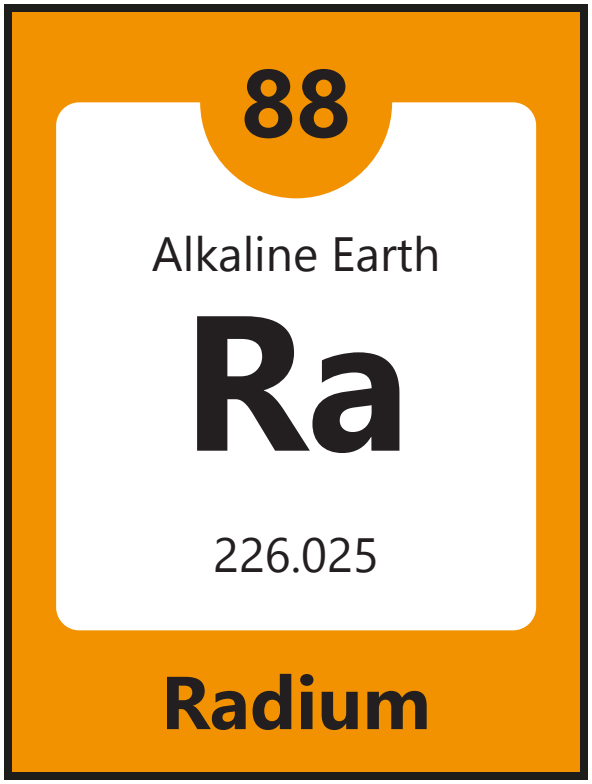
[208.982]

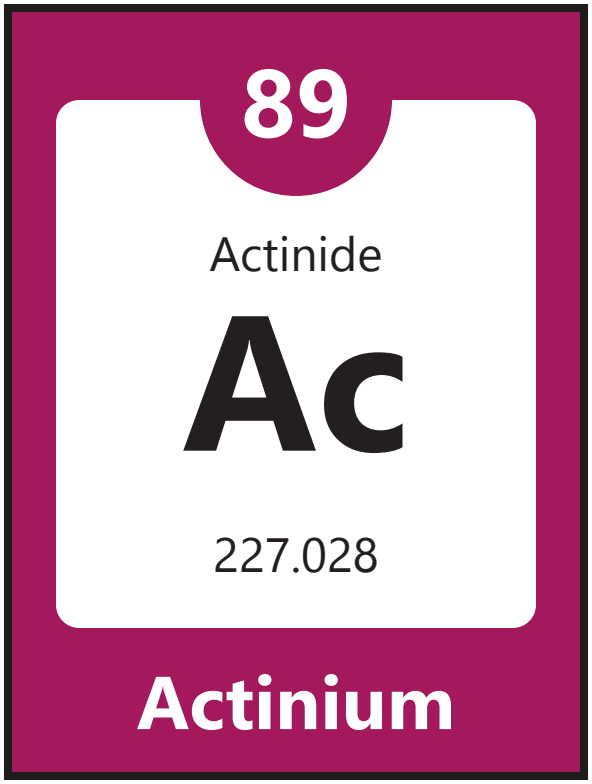
Polonium

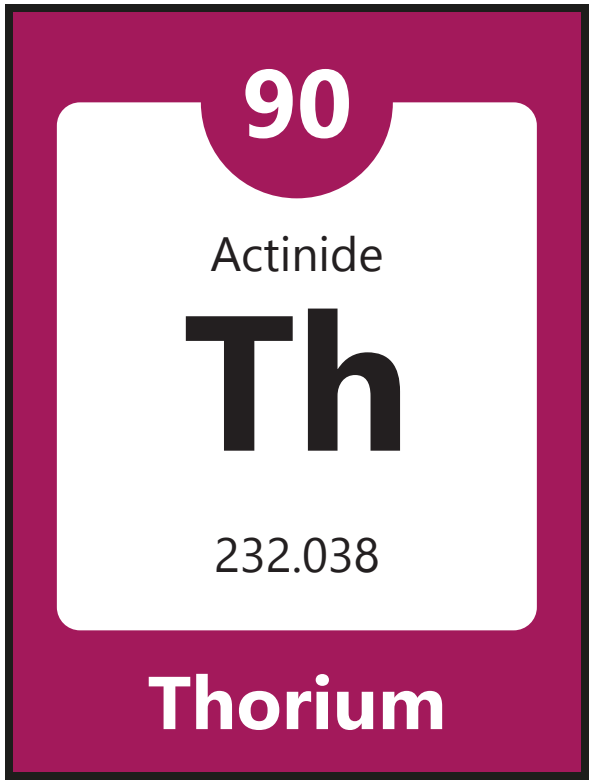

85
Halogen
At
209.987
Astatine


86
Noble Gas
Rn
222.018
Radon

87
Alkali Metal
Fr
223.020
Francium


88
Alkaline Earth
Ra
226.025
Radium


89
Actinide
Ac
227.028
Actinium


90
Actinide
Th
232.038
Thorium

91

Actinide

Pa

231.036

Protactinium

92

Actinide

U

238.029

Uranium

93

Actinide

Np

237.048

Neptunium

94

Actinide

Pu

244.064

Plutonium

95

Actinide

Am

243.061

Americium

96

Actinide

Cm

247.070

Curium

97

Actinide

Bk

247.070

Berkelium

98

Actinide

Cf

251.080

Californium

99

Actinide

Es

[254]

Einsteinium

100

Actinide

Fm

257.095

Fermium

101

Actinide

Md

258.1

Mendelevium

102

Actinide

No

259.101

Nobelium

103

Actinide

Lr

[262]

Lawrencium

104

Transition Metal

Rf

[261]

Rutherfordium

105

Transition Metal

Db

[262]

Dubnium

106

Transition Metal

Sg

[266]

Seaborgium

107

Transition Metal

Bh

[264]

Bohrium

108

Transition Metal

Hs

[269]

Hassium

109

Transition Metal

Mt

[278]

Meitnerium

110

Transition Metal

Ds

[281]

Darmstadtium

111

Transition Metal

Rg

[280]

Roentgenium

112

Transition Metal

Cn

[285]

Copernicium

113

Basic Metal

Nh

[286]

Nihonium

114

Basic Metal

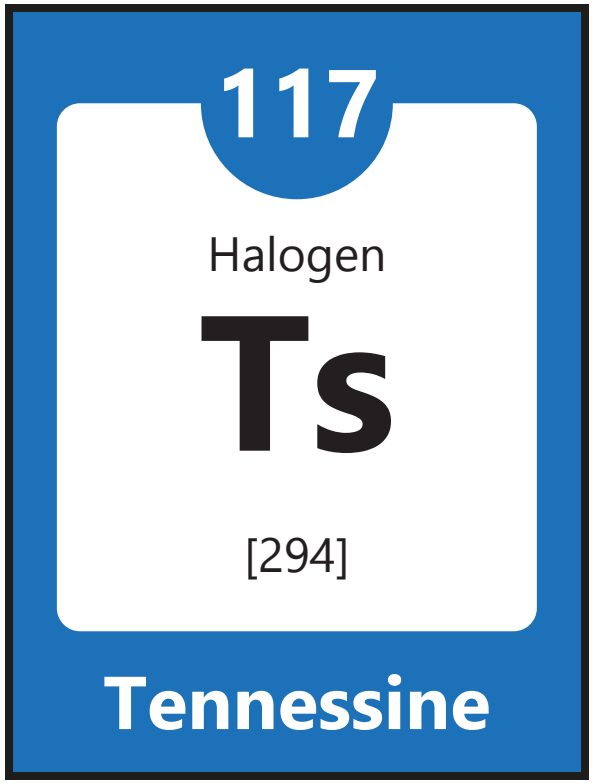
Fl

[289]

Flerovium

115
Basic Metal
Mc
[289]
Moscovium

116
Basic Metal
Lv
[293]
Livermorium


117
Halogen
Ts
[294]
Tennessine

118
Noble Gas
Og
[294]
Oganesson