











THE PERIODIC TABLE OF THE ELEMENTS

All 118 elements · names, atomic numbers, and atomic masses

-  Alkali metal
-  Alkaline earth metal
-  Transition metal
-  Post-transition metal
-  Metalloid
-  Nonmetal
-  Halogen
-  Noble gas
-  Lanthanide
-  Actinide

1
H
Hydrogen
1.008

2
He
Helium
4.0026

3
Li
Lithium
6.94

4
Be
Beryllium
9.0122

5
B
Boron
10.81

6
C
Carbon
12.011

7
N
Nitrogen
14.007

8
O
Oxygen
15.999

9
F
Fluorine
18.998

10
Ne
Neon
20.18

11
Na
Sodium
22.99

12
Mg
Magnesium
24.305

13
Al
Aluminum
26.982

14
Si
Silicon
28.085

15
P
Phosphorus
30.974

16
S
Sulfur
32.06

17
Cl
Chlorine
35.45

18
Ar
Argon
39.95

19
K
Potassium
39.098

20
Ca
Calcium
40.078

21
Sc
Scandium
44.956

22
Ti
Titanium
47.867

23
V
Vanadium
50.942

24
Cr
Chromium
51.996

25
Mn
Manganese
54.938

26
Fe
Iron
55.845

27
Co
Cobalt
58.933

28
Ni
Nickel
58.693

29
Cu
Copper
63.546

30
Zn
Zinc
65.38

31
Ga
Gallium
69.723

32
Ge
Germanium
72.63

33
As
Arsenic
74.922

34
Se
Selenium
78.971

35
Br
Bromine
79.904

36
Kr
Krypton
83.798

37
Rb
Rubidium
85.468

38
Sr
Strontium
87.62

39
Y
Yttrium
88.906

40
Zr
Zirconium
91.224

41
Nb
Niobium
92.906

42
Mo
Molybdenum
95.95

43
Tc
Technetium
[98]

44
Ru
Ruthenium
101.07

45
Rh
Rhodium
102.91

46
Pd
Palladium
106.42

47
Ag
Silver
107.87

48
Cd
Cadmium
112.41

49
In
Indium
114.82

50
Sn
Tin
118.71

51
Sb
Antimony
121.76

52
Te
Tellurium
127.6

53
I
Iodine
126.9

54
Xe
Xenon
131.29

55
Cs
Cesium
132.91

56
Ba
Barium
137.33

57-71

72
Hf
Hafnium
178.49

73
Ta
Tantalum
180.95

74
W
Tungsten
183.84

75
Re
Rhenium
186.21

76
Os
Osmium
190.23

77
Ir
Iridium
192.22

78
Pt
Platinum
195.08

79
Au
Gold
196.97

80
Hg
Mercury
200.59

81
Tl
Thallium
204.38

82
Pb
Lead
207.2

83
Bi
Bismuth
208.98

84
Po
Polonium
[209]

85
At
Astatine
[210]

86
Rn
Radon
[222]

87
Fr
Francium
[223]

88
Ra
Radium
[226]

89-103

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
[290]

116
Lv
Livermorium
[293]

117
Ts
Tennessine
[294]

118
Og
Oganesson
[294]

Lanthanides 57-71

57
La
Lanthanum
138.91

58
Ce
Cerium
140.12

59
Pr
Praseodymium
140.91

60
Nd
Neodymium
144.24

61
Pm
Promethium
[145]

62
Sm
Samarium
150.36

63
Eu
Europium
151.96

64
Gd
Gadolinium
157.25

65
Tb
Terbium
158.93

66
Dy
Dysprosium
162.5

67
Ho
Holmium
164.93

68
Er
Erbium
167.26

69
Tm
Thulium
168.93

70
Yb
Ytterbium
173.05

71
Lu
Lutetium
174.97

Actinides 89-103

89
Ac
Actinium
[227]

90
Th
Thorium
232.04

91
Pa
Protactinium
231.04

92
U
Uranium
238.03

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]



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