

Periodic Table of the Elements

1 1.0080
1.00784
0.00055
1s¹
Hydrogen

2 4.002602
4.002603
0.0001
1s²
Helium

3 6.94
6.941
0.534
[He]2s¹
Lithium

4 9.012182
9.012183
1.274
[He]2s²
Beryllium

11 22.989769
22.989768
0.534
[He]2s²2p⁶3s¹
Sodium

12 24.3050
24.3047
1.738
[He]2s²2p⁶3s²
Magnesium

19 39.0983
39.0983
0.862
[Ar]4s¹
Potassium

20 40.078
40.078
1.55
[Ar]4s²
Calcium

21 44.955912
44.955912
3.00
[Ar]4s²3d¹
Scandium

22 47.867
47.867
4.50
[Ar]4s²3d²
Titanium

23 50.9415
50.9415
5.68
[Ar]4s²3d³
Vanadium

24 51.9961
51.9961
7.19
[Ar]4s²3d⁴
Chromium

25 54.938045
54.938045
7.43
[Ar]4s¹3d⁵
Manganese

26 55.845
55.845
7.86
[Ar]4s²3d⁶
Iron

27 58.933195
58.933195
8.90
[Ar]4s²3d⁷
Cobalt

28 58.933195
58.933195
8.90
[Ar]4s²3d⁸
Nickel

29 63.546
63.546
8.90
[Ar]4s¹3d⁹
Copper

30 65.38
65.38
7.14
[Ar]4s²3d¹⁰
Zinc

31 69.723
69.723
8.90
[Ar]4s²3d¹⁰4p¹
Gallium

32 72.63
72.63
5.72
[Ar]4s²3d¹⁰4p²
Germanium

33 74.92160
74.92160
5.72
[Ar]4s²3d¹⁰4p³
Arsenic

34 78.96
78.96
4.79
[Ar]4s²3d¹⁰4p⁴
Selenium

35 79.904
79.904
3.199
[Ar]4s²3d¹⁰4p⁵
Bromine

36 83.796
83.796
3.700
[Ar]4s²3d¹⁰4p⁶
Krypton

37 85.4678
85.4678
1.52
[Kr]4s¹
Rubidium

38 87.62
87.62
2.90
[Kr]4s²
Strontium

39 88.90585
88.90585
4.61
[Kr]4s²4p¹
Yttrium

40 91.224
91.224
6.40
[Kr]4s²4p²
Zirconium

41 92.906
92.906
6.57
[Kr]4s²4p³
Niobium

42 95.96
95.96
10.28
[Kr]4s²4p⁴
Molybdenum

43 101.07
101.07
11.5
[Kr]4s²4p⁵
Technetium

44 101.07
101.07
12.01
[Kr]4s²4p⁶
Ruthenium

45 102.9055
102.9055
12.48
[Kr]4s²4p⁷
Rhodium

46 106.42
106.42
12.48
[Kr]4s²4p⁸
Palladium

47 107.8682
107.8682
12.02
[Kr]4s²4p⁹
Silver

48 112.411
112.411
10.49
[Kr]4s²4p¹⁰
Cadmium

49 114.818
114.818
7.21
[Kr]4s²4p¹¹
Indium

50 118.710
118.710
7.21
[Kr]4s²4p¹²
Tin

51 121.760
121.760
5.86
[Kr]4s²4p¹³
Antimony

52 127.00
127.00
6.34
[Kr]4s²4p¹⁴
Tellurium

53 126.90447
126.90447
6.89
[Kr]4s²4p¹⁵
Iodine

54 131.293
131.293
5.88
[Kr]4s²4p¹⁶
Xenon

55 132.90545
132.90545
3.51
[Xe]4f¹⁴5d¹
Cesium

56 137.327
137.327
3.51
[Xe]4f¹⁴5d²
Barium

71 174.967
174.967
9.85
[Xe]4f¹⁴5d¹⁰6s¹
Lutetium

72 175.49
175.49
10.2
[Xe]4f¹⁴5d²6s²
Hafnium

73 178.49
178.49
10.2
[Xe]4f¹⁴5d³6s²
Tantalum

74 183.84
183.84
10.2
[Xe]4f¹⁴5d⁴6s²
Tungsten

75 186.207
186.207
10.2
[Xe]4f¹⁴5d⁵6s²
Rhenium

76 190.25
190.25
10.2
[Xe]4f¹⁴5d⁶6s²
Osmium

77 192.217
192.217
10.2
[Xe]4f¹⁴5d⁷6s²
Iridium

78 195.084
195.084
10.2
[Xe]4f¹⁴5d⁸6s²
Platinum

79 196.966569
196.966569
10.2
[Xe]4f¹⁴5d⁹6s²
Gold

80 200.59
200.59
10.2
[Xe]4f¹⁴5d¹⁰6s²
Mercury

81 204.384
204.384
10.2
[Xe]4f¹⁴5d¹⁰6s²6p¹
Thallium

82 207.2
207.2
10.2
[Xe]4f¹⁴5d¹⁰6s²6p²
Lead

83 208.9804
208.9804
10.2
[Xe]4f¹⁴5d¹⁰6s²6p³
Bismuth

84 208.9804
208.9804
10.2
[Xe]4f¹⁴5d¹⁰6s²6p⁴
Polonium

85 208.9804
208.9804
10.2
[Xe]4f¹⁴5d¹⁰6s²6p⁵
Astatine

86 222.0175
222.0175
10.2
[Xe]4f¹⁴5d¹⁰6s²6p⁶
Radon

87 223.01978
223.01978
10.2
[Rn]5f¹⁴6d¹
Francium

88 226.0254
226.0254
10.2
[Rn]5f¹⁴6d²
Radium

103 261.10888
261.10888
10.2
[Rn]5f¹⁴6d¹⁰7s¹
Lawrencium

104 261.10888
261.10888
10.2
[Rn]5f¹⁴6d²7s²
Rutherfordium

105 261.10888
261.10888
10.2
[Rn]5f¹⁴6d³7s²
Dubnium

106 261.10888
261.10888
10.2
[Rn]5f¹⁴6d⁴7s^{2</}

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★	57 137.07 191.91 6.7 [Xe]5s ² lanthanides	58 140.116 (2),4 3786 107.163 6.78 [Xe]4f ¹ 5d ¹ cerium	59 140.90765 (2),4 3790 1264 6.77 [Xe]4f ¹ praseodymium	60 144.242 3 3347 1294 7.00 [Xe]4f ² neodymium	61 144.9127 3 3347 1515 6.475 [Xe]4f ² promethium	62 150.36 2,(2) 2867 1347 7.54 [Xe]4f ² samarium	63 151.964 2,(2) 1800 1095 6.250 [Xe]4f ² europium	64 157.25 3 3546 1586 7.896 [Xe]4f ² 5d ¹ gadolinium	65 158.925 (2),4 3503 1628 8.27 [Xe]4f ² terbium	66 162.500 3 3640 1685 8.536 [Xe]4f ² dysprosium	67 164.9303 3 3873 1747 8.80 [Xe]4f ² holmium	68 167.259 3 3441 1802 8.06 [Xe]4f ² erbium	69 168.9341 2,(2) 3223 1818 9.33 [Xe]4f ² thulium	70 173.054 2,(2) 1468 1892 8.99 [Xe]4f ² ytterbium
★★	89 (223.0185) 3 1329 18.27 [Rn]7s ² actinides	90 232.0377 4 4237 2023 11.70 [Rn]7s ² thorium	91 231.03689 4,(5) 1873 15.42 [Rn]7s ² 5f ¹ protactinium	92 238.02891 3,4,5,(6) 4091 1408 18.80 [Rn]7s ² 5f ² uranium	93 237.04672 3,4,(5),6 4170 913 20.45 [Rn]7s ² 5f ² neptunium	94 244.0642 3,(4),5,6 5808 914 18.02 [Rn]7s ² 5f ² plutonium	95 243.0614 3,(4),5,6 2880 1267 13.6 [Rn]7s ² americium	96 247.0771 3,(4) 1613 13.5 [Rn]7s ² 5f ² curium	97 247.0771 (2),4 1613 13.5 [Rn]7s ² berkelium	98 251.0794 (2),4 1613 13.5 [Rn]7s ² californium	99 252.0833 (2),3 1613 13.5 [Rn]7s ² einsteinium	100 257.0951 3 1613 13.5 [Rn]7s ² fermium	101 259.0946 2,3 1613 13.5 [Rn]7s ² mendelevium	102 259.1068 2,3 1613 13.5 [Rn]7s ² nobelium