Text File (periodic\_table\_details) content.

I N D E X L I N E . . /

1 1.008 Hydrogen H -259 -253 0.09 0.14 1 1s1/

2 4.003 Helium He -272 -269 0.18 NOT\_FOUND\_IN\_EARTH 18 1s2/

3 6.941 Lithium Li 180 1,347 0.53 NOT\_FOUND\_IN\_EARTH 1 [He] 2s1/

4 9.012 Beryllium Be 1,278 2,970 1.85 NOT\_FOUND\_IN\_EARTH 2 [He] 2s2/

5 10.811 Boron B 2,300 2,550 2.34 NOT\_FOUND\_IN\_EARTH 13 [He] 2s2 2p1/

6 12.011 Carbon C 3,500 4,827 2.26 0.09 14 [He] 2s2 2p2/

7 14.007 Nitrogen N -210 -196 1.25 NOT\_FOUND\_IN\_EARTH 15 [He] 2s2 2p3/

8 15.999 Oxygen O -218 -183 1.43 46.71 16 [He] 2s2 2p4/

9 18.998 Fluorine F -220 -188 1.70 0.03 17 [He] 2s2 2p5/

10 20.180 Neon Ne -249 -246 0.90 NOT\_FOUND\_IN\_EARTH 18 [He] 2s2 2p6/

11 22.990 Sodium Na 98 883 0.97 2.75 1 [Ne] 3s1/

12 24.305 Magnesium Mg 639 1,090 1.74 2.08 2 [Ne] 3s2/

13 26.982 Aluminium Al 660 2,467 2.70 8.07 13 [Ne] 3s2 3p1/

14 28.086 Silicon Si 1,410 2,355 2.33 27.69 14 [Ne] 3s2 3p2/

15 30.974 Phosphorus P 44 280 1.82 0.13 15 [Ne] 3s2 3p3/

16 32.065 Sulphur S 113 445 2.07 0.05 16 [Ne] 3s2 3p4/

17 35.453 Chlorine Cl -101 -35 3.21 0.05 17 [Ne] 3s2 3p5/

18 39.948 Argon Ar -189 -186 1.78 NOT\_FOUND\_IN\_EARTH 18 [Ne] 3s2 3p6/

19 39.098 Potassium K 64 774 0.86 2.58 1 [Ar] 4s1/

20 40.078 Calcium Ca 839 1,484 1.55 3.65 2 [Ar] 4s2/

21 44.956 Scandium Sc 1,539 2,832 2.99 NOT\_FOUND\_IN\_EARTH 3 [Ar] 3d1 4s2/

22 47.867 Titanium Ti 1,660 3,287 4.54 0.62 4 [Ar] 3d2 4s2/

23 50.942 Vanadium V 1,890 3,380 6.11 NOT\_FOUND\_IN\_EARTH 5 [Ar] 3d3 4s2/

24 51.996 Chromium Cr 1,857 2,672 7.19 0.04 6 [Ar] 3d5 4s1/

25 54.938 Manganese Mn 1,245 1,962 7.43 0.09 7 [Ar] 3d5 4s2/

26 55.845 Iron Fe 1,535 2,750 7.87 5.05 8 [Ar] 3d6 4s2/

27 58.933 Cobalt Co 1,495 2,870 8.90 NOT\_FOUND\_IN\_EARTH 9 [Ar] 3d7 4s2/

28 58.693 Nickel Ni 1,453 2,732 8.90 0.02 10 [Ar] 3d8 4s2/

29 63.546 Copper Cu 1,083 2,567 8.96 NOT\_FOUND\_IN\_EARTH 11 [Ar] 3d10 4s1/

30 65.390 Zinc Zn 420 907 7.13 NOT\_FOUND\_IN\_EARTH 12 [Ar] 3d10 4s2/

31 69.723 Gallium Ga 30 2,403 5.91 NOT\_FOUND\_IN\_EARTH 13 [Ar] 3d10 4s2 4p1/

32 72.640 Germanium Ge 937 2,830 5.32 NOT\_FOUND\_IN\_EARTH 14 [Ar] 3d10 4s2 4p2/

33 74.922 Arsenic As 81 613 5.72 NOT\_FOUND\_IN\_EARTH 15 [Ar] 3d10 4s2 4p3/

34 78.960 Selenium Se 217 685 4.79 NOT\_FOUND\_IN\_EARTH 16 [Ar] 3d10 4s2 4p4/

35 79.904 Bromine Br -7 59 3.12 NOT\_FOUND\_IN\_EARTH 17 [Ar] 3d10 4s2 4p5/

36 83.800 Krypton Kr -157 -153 3.75 NOT\_FOUND\_IN\_EARTH 18 [Ar] 3d10 4s2 4p6/

37 85.468 Rubidium Rb 39 688 1.63 NOT\_FOUND\_IN\_EARTH 1 [Kr] 5s1/

38 87.620 Strontium Sr 769 1,384 2.54 NOT\_FOUND\_IN\_EARTH 2 [Kr] 5s2/

39 88.906 Yttrium Y 1,523 3,337 4.47 NOT\_FOUND\_IN\_EARTH 3 [Kr] 4d1 5s2/

40 91.224 Zirconium Zr 1,852 4,377 6.51 0.03 4 [Kr] 4d2 5s2/

41 92.906 Niobium Nb 2,468 4,927 8.57 NOT\_FOUND\_IN\_EARTH 5 [Kr] 4d4 5s1/

42 95.940 Molybdenum Mo 2,617 4,612 10.22 NOT\_FOUND\_IN\_EARTH 6 [Kr] 4d5 5s1/

43 98.000 Technetium Tc 2,200 4,877 11.50 NOT\_FOUND\_IN\_EARTH 7 [Kr] 4d5 5s2/

44 101.070 Ruthenium Ru 2,250 3,900 12.37 NOT\_FOUND\_IN\_EARTH 8 [Kr] 4d7 5s1/

45 102.906 Rhodium Rh 1,966 3,727 12.41 NOT\_FOUND\_IN\_EARTH 9 [Kr] 4d8 5s1/

46 106.420 Palladium Pd 1,552 2,927 12.02 NOT\_FOUND\_IN\_EARTH 10 [Kr] 4d10/

47 107.868 Silver Ag 962 2,212 10.50 NOT\_FOUND\_IN\_EARTH 11 [Kr] 4d10 5s1/

48 112.411 Cadmium Cd 321 765 8.65 NOT\_FOUND\_IN\_EARTH 12 [Kr] 4d10 5s2/

49 114.818 Indium In 157 2,000 7.31 NOT\_FOUND\_IN\_EARTH 13 [Kr] 4d10 5s2 5p1/

50 118.710 Tin Sn 232 2,270 7.31 NOT\_FOUND\_IN\_EARTH 14 [Kr] 4d10 5s2 5p2/

51 121.760 Antimony Sb 630 1,750 6.68 NOT\_FOUND\_IN\_EARTH 15 [Kr] 4d10 5s2 5p3/

52 127.600 Tellurium Te 449 990 6.24 NOT\_FOUND\_IN\_EARTH 16 [Kr] 4d10 5s2 5p4/

53 126.905 Iodine I 114 184 4.93 NOT\_FOUND\_IN\_EARTH 17 [Kr] 4d10 5s2 5p5/

54 131.293 Xenon Xe -112 -108 5.90 NOT\_FOUND\_IN\_EARTH 18 [Kr] 4d10 5s2 5p6/

55 132.906 Cesium Cs 29 678 1.87 NOT\_FOUND\_IN\_EARTH 1 [Xe] 6s1/

56 137.327 Barium Ba 725 1,140 3.59 0.05 2 [Xe] 6s2/

57 138.906 Lanthanum La 920 3,469 6.15 NOT\_FOUND\_IN\_EARTH 3 [Xe] 5d1 6s2/

58 140.116 Cerium Ce 795 3,257 6.77 NOT\_FOUND\_IN\_EARTH 101 [Xe] 4f1 5d1 6s2/

59 140.908 Praseodymium Pr 935 3,127 6.77 NOT\_FOUND\_IN\_EARTH 101 [Xe] 4f3 6s2/

60 144.240 Neodymium Nd 1,010 3,127 7.01 NOT\_FOUND\_IN\_EARTH 101 [Xe] 4f4 6s2/

61 145.000 Promethium Pm 1,100 3,000 7.30 NOT\_FOUND\_IN\_EARTH 101 [Xe] 4f5 6s2/

62 150.360 Samarium Sm 1,072 1,900 7.52 NOT\_FOUND\_IN\_EARTH 101 [Xe] 4f6 6s2/

63 151.964 Europium Eu 822 1,597 5.24 NOT\_FOUND\_IN\_EARTH 101 [Xe] 4f7 6s2/

64 157.250 Gadolinium Gd 1,311 3,233 7.90 NOT\_FOUND\_IN\_EARTH 101 [Xe] 4f7 5d1 6s2/

65 158.925 Terbium Tb 1,360 3,041 8.23 NOT\_FOUND\_IN\_EARTH 101 [Xe] 4f9 6s2/

66 162.500 Dysprosium Dy 1,412 2,562 8.55 NOT\_FOUND\_IN\_EARTH 101 [Xe] 4f10 6s2/

67 164.930 Holmium Ho 1,470 2,720 8.80 NOT\_FOUND\_IN\_EARTH 101 [Xe] 4f11 6s2/

68 167.259 Erbium Er 1,522 2,510 9.07 NOT\_FOUND\_IN\_EARTH 101 [Xe] 4f12 6s2/

69 168.934 Thulium Tm 1,545 1,727 9.32 NOT\_FOUND\_IN\_EARTH 101 [Xe] 4f13 6s2/

70 173.040 Ytterbium Yb 824 1,466 6.90 NOT\_FOUND\_IN\_EARTH 101 [Xe] 4f14 6s2/

71 174.967 Lutetium Lu 1,656 3,315 9.84 NOT\_FOUND\_IN\_EARTH 101 [Xe] 4f14 5d1 6s2/

72 178.490 Hafnium Hf 2,150 5,400 13.31 NOT\_FOUND\_IN\_EARTH 4 [Xe] 4f14 5d2 6s2/

73 180.948 Tantalum Ta 2,996 5,425 16.65 NOT\_FOUND\_IN\_EARTH 5 [Xe] 4f14 5d3 6s2/

74 183.840 Tungsten W 3,410 5,660 19.35 NOT\_FOUND\_IN\_EARTH 6 [Xe] 4f14 5d4 6s2/

75 186.207 Rhenium Re 3,180 5,627 21.04 NOT\_FOUND\_IN\_EARTH 7 [Xe] 4f14 5d5 6s2/

76 190.230 Osmium Os 3,045 5,027 22.60 NOT\_FOUND\_IN\_EARTH 8 [Xe] 4f14 5d6 6s2/

77 192.217 Iridium Ir 2,410 4,527 22.40 NOT\_FOUND\_IN\_EARTH 9 [Xe] 4f14 5d7 6s2/

78 195.078 Platinum Pt 1,772 3,827 21.45 NOT\_FOUND\_IN\_EARTH 10 [Xe] 4f14 5d9 6s1/

79 196.967 Gold Au 1,064 2,807 19.32 NOT\_FOUND\_IN\_EARTH 11 [Xe] 4f14 5d10 6s1/

80 200.590 Mercury Hg -39 357 13.55 NOT\_FOUND\_IN\_EARTH 12 [Xe] 4f14 5d10 6s2/

81 204.383 Thallium Tl 303 1,457 11.85 NOT\_FOUND\_IN\_EARTH 13 [Xe] 4f14 5d10 6s2 6p1/

82 207.200 Lead Pb 327 1,740 11.35 NOT\_FOUND\_IN\_EARTH 14 [Xe] 4f14 5d10 6s2 6p2/

83 208.980 Bismuth Bi 271 1,560 9.75 NOT\_FOUND\_IN\_EARTH 15 [Xe] 4f14 5d10 6s2 6p3/

84 209.000 Polonium Po 254 962 9.30 NOT\_FOUND\_IN\_EARTH 16 [Xe] 4f14 5d10 6s2 6p4/

85 210.000 Astatine At 302 337 0.00 NOT\_FOUND\_IN\_EARTH 17 [Xe] 4f14 5d10 6s2 6p5/

86 222.000 Radon Rn -71 -62 9.73 NOT\_FOUND\_IN\_EARTH 18 [Xe] 4f14 5d10 6s2 6p6/

87 223.000 Francium Fr 27 677 0.00 NOT\_FOUND\_IN\_EARTH 1 [Rn] 7s1/

88 226.000 Radium Ra 700 1,737 5.50 NOT\_FOUND\_IN\_EARTH 2 [Rn] 7s2/

89 227.000 Actinium Ac 1,050 3,200 10.07 NOT\_FOUND\_IN\_EARTH 3 [Rn] 6d1 7s2/

90 232.038 Thorium Th 1,750 4,790 11.72 NOT\_FOUND\_IN\_EARTH 102 [Rn] 6d2 7s2/

91 231.036 Protactinium Pa 1,568 0 15.40 NOT\_FOUND\_IN\_EARTH 102 [Rn] 5f2 6d1 7s2/

92 238.029 Uranium U 1,132 3,818 18.95 NOT\_FOUND\_IN\_EARTH 102 [Rn] 5f3 6d1 7s2/

93 237.000 Neptunium Np 640 3,902 20.20 NOT\_FOUND\_IN\_EARTH 102 [Rn] 5f4 6d1 7s2/

94 244.000 Plutonium Pu 640 3,235 19.84 NOT\_FOUND\_IN\_EARTH 102 [Rn] 5f6 7s2/

95 243.000 Americium Am 994 2,607 13.67 NOT\_FOUND\_IN\_EARTH 102 [Rn] 5f7 7s2/

96 247.000 Curium Cm 1,340 0 13.50 NOT\_FOUND\_IN\_EARTH 102 NO\_ELECTRONIC\_CONFIGURATION/

97 247.000 Berkelium Bk 986 0 14.78 NOT\_FOUND\_IN\_EARTH 102 NO\_ELECTRONIC\_CONFIGURATION/

98 251.000 Californium Cf 900 0 15.10 NOT\_FOUND\_IN\_EARTH 102 NO\_ELECTRONIC\_CONFIGURATION/

99 252.000 Einsteinium Es 860 0 0.00 NOT\_FOUND\_IN\_EARTH 102 NO\_ELECTRONIC\_CONFIGURATION/

100 257.000 Fermium Fm 1,527 0 0.00 NOT\_FOUND\_IN\_EARTH 102 NO\_ELECTRONIC\_CONFIGURATION/

101 258.000 Mendelevium Md 0 0 0.00 NOT\_FOUND\_IN\_EARTH 102 NO\_ELECTRONIC\_CONFIGURATION/

102 259.000 Nobelium No 827 0 0.00 NOT\_FOUND\_IN\_EARTH 102 NO\_ELECTRONIC\_CONFIGURATION/

103 262.000 Lawrencium Lr 1,627 0 0.00 NOT\_FOUND\_IN\_EARTH 102 NO\_ELECTRONIC\_CONFIGURATION /

104 261.000 Rutherfordium Rf 0 0 0.00 NOT\_FOUND\_IN\_EARTH 4 NO\_ELECTRONIC\_CONFIGURATION/

105 262.000 Dubnium Db 0 0 0.00 NOT\_FOUND\_IN\_EARTH 5 NO\_ELECTRONIC\_CONFIGURATION/

106 266.000 Seaborgium Sg 0 0 0.00 NOT\_FOUND\_IN\_EARTH 6 NO\_ELECTRONIC\_CONFIGURATION/

107 264.000 Bohrium Bh 0 0 0.00 NOT\_FOUND\_IN\_EARTH 7 NO\_ELECTRONIC\_CONFIGURATION/

108 277.000 Hassium Hs 0 0 0.00 NOT\_FOUND\_IN\_EARTH 8 NO\_ELECTRONIC\_CONFIGURATION/

109 268.000 Meitnerium Mt 0 0 0.00 NOT\_FOUND\_IN\_EARTH 9 NO\_ELECTRONIC\_CONFIGURATION

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