

1A										2A										3B										4A										5A										6A										7A										8A																																																																																																																																																							
Hydrogen 1.0079 0.089 H ¹ 1s ¹ 3.75 HEX 1.731 0.183 28.824 -259 ... 110										Lithium 6.941 0.53 Li ³ 1s ² 2s ¹ 3.49 BCC ... 84.7 24.77 180 8.55 400										Beryllium 9.0122 1.85 Be ⁴ 1s ² 2s ² 2.29 HEX 1.567 200.0 16.44 1277 4.0 1000										Sodium 22.9898 0.97 Na ¹¹ [Ne]3s ¹ 4.23 BCC ... 141.0 28.24 98 4.2 150										Magnesium 24.305 1.74 Mg ¹² [Ne]3s ² 3.21 HEX 1.624 156.0 24.89 649 4.45 318										Potassium 39.09 0.86 K ¹⁹ [Ar]4s ¹ 5.23 BCC ... 102.0 29.58 64 6.15 100										Calcium 40.08 1.54 Ca ²⁰ [Ar]4s ² 5.58 FCC ... 190.0 25.31 838 3.91 230										Scandium 44.956 2.99 Sc ²¹ [Ar]3d ¹ 4s ² 3.31 HEX 1.594 15.8 25.52 1539 61.0 359 [†]										Titanium 47.90 4.51 Ti ²² [Ar]3d ² 4s ² 2.95 HEX 1.588 21.9 25.02 1660 42.0 380										Vanadium 50.942 6.1 V ²³ [Ar]3d ³ 4s ² 3.02 BCC ... 30.7 24.89 1890 19.68 390										Chromium 52.00 7.19 Cr ²⁴ [Ar]3d ⁵ 4s ¹ 2.88 BCC ... 93.7 23.35 1857 12.9 460										Manganese 54.938 7.43 Mn ²⁵ [Ar]3d ⁵ 4s ² 9.89 CUB ... 7.82 26.32 1245 144.0 400										Iron 55.85 7.86 Fe ²⁶ [Ar]3d ⁶ 4s ² 2.87 BCC ... 80.2 25.10 1535 9.71 420										Cobalt 58.93 8.9 Co ²⁷ [Ar]3d ⁷ 4s ² 2.51 HEX ... 100.0 24.81 1495 6.24 385										Nickel 58.71 8.9 Ni ²⁸ [Ar]3d ⁸ 4s ² 3.52 FCC ... 90.7 26.07 1453 6.84 375										Copper 63.55 8.96 Cu ²⁹ [Ar]3d ¹⁰ 4s ¹ 3.61 FCC ... 401.0 24.435 1083 1.6730 315										Zinc 65.38 7.14 Zn ³⁰ [Ar]3d ¹⁰ 4s ² 2.66 HEX 1.856 116.0 25.40 420 5.964 234										Gallium 69.72 5.91 Ga ³¹ [Ar]3d ¹⁰ 4s ² 4p ¹ 4.51 ORC 1.695 40.6 1.001 25.86 30 17.4 204										Germanium 72.59 5.32 Ge ³² [Ar]3d ¹⁰ 4s ² 4p ² 5.66 DIA ... 59.9 23.347 938 46E7 360										Arsenic 74.922 5.72 As ³³ [Ar]3d ¹⁰ 4s ² 3p ³ 4.13 RHL 54°10' 50.0 24.64 817 33.3 285										Selenium 78.96 4.79 Se ³⁴ [Ar]3d ¹⁰ 4s ² 4p ⁴ 4.36 HEX 1.136 2.04 25.363 217 12.0 150 [†]										Bromine 79.91 4.10 Br ³⁵ [Ar]3d ¹⁰ 4s ² 4p ⁵ 6.67 ORC 1.307 0.0047 0.672 75.689 -7 ... -156.5 ... 73 [†]										Krypton 83.80 3.07 Kr ³⁶ [Ar]3d ¹⁰ 4s ² 4p ⁶ 5.72 FCC ... 0.0095 20.786 -189.1 ... 85	
Rubidium 85.47 1.53 Rb ³⁷ [Kr]5s ¹ 5.59 BCC ... 52.8 31.062 39 12.5 56 [†]										Strontium 87.62 2.60 Sr ³⁸ [Kr]5s ² 6.08 FCC ... 49.0 26.4 -262.57 23.0 147 [†]										Yttrium 88.91 4.46 Y ³⁹ [Kr]4d ¹ 5s ² 3.65 HEX 1.571 17.2 26.53 1523 57.0 256 [†]										Zirconium 91.22 6.49 Zr ⁴⁰ [Kr]4d ² 5s ² 3.23 HEX 1.593 22.7 25.36 1852 42.1 250										Niobium 92.91 8.4 Nb ⁴¹ [Kr]4d ⁴ 5s ¹ 3.30 BCC ... 53.7 24.60 2468 12.5 275										Molybdenum 95.94 10.2 Mo ⁴² [Kr]4d ⁵ 5s ¹ 3.15 BCC ... 138.0 24.06 2617 5.34 380										Technetium 98.91 11.5 Tc ⁴³ [Kr]4d ⁵ 5s ² 2.74 HEX 1.604 50.6 25 2172 16.9 ...										Ruthenium 101.07 12.2 Ru ⁴⁴ [Kr]4d ⁷ 5s ¹ 2.70 HEX 1.584 117.0 24.06 2310 7.6 382 [†]										Rhodium 102.90 12.4 Rh ⁴⁵ [Kr]4d ⁸ 5s ¹ 3.80 FCC ... 150.0 24.98 1966 4.51 350 [†]										Palladium 106.40 12.0 Pd ⁴⁶ [Kr]4d ¹⁰ 5s ⁰ 3.89 FCC ... 71.8 25.98 1552 10.8 275										Silver 107.87 10.5 Ag ⁴⁷ [Kr]4d ¹⁰ 5s ¹ 4.09 FCC ... 429.0 25.351 961 1.59 215										Cadmium 112.40 8.65 Cd ⁴⁸ [Kr]4d ¹⁰ 5s ² 2.98 HEX 1.886 96.8 25.98 321 6.83 120										Indium 114.82 7.31 In ⁴⁹ [Kr]4d ¹⁰ 5s ² 5p ¹ 4.59 TET 1.076 81.6 26.74 156.8 8.37 129										Tin 118.69 7.30 Sn ⁵⁰ [Kr]4d ¹⁰ 5s ² 5p ² 5.82 TET 0.546 66.6 25.77 232 11.0 170										Antimony 121.75 6.62 Sb ⁵¹ [Kr]4d ¹⁰ 5s ² 5p ³ 4.51 RHL 57°6' 24.3 25.23 631 39.0 200										Tellurium 127.60 6.24 Te ⁵² [Kr]4d ¹⁰ 5s ² 5p ⁴ 4.45 HEX 1.330 2.35 25.73 450 4.36 E5 139 [†]										Iodine 126.90 4.94 I ⁵³ [Kr]4d ¹⁰ 5s ² 5p ⁵ 7.27 ORC 1.347 0.449 0.695 54.438 114 1.3 E15 ...		Xenon 131.30 3.77 Xe ⁵⁴ [Kr]4d ¹⁰ 5s ² 5p ⁶ 6.20 FCC ... 0.0056 20.786 -111.7 ... 55 [†]																																																											
Cesium 132.91 1.90 Cs ⁵⁵ [Xe]6s ¹ 6.05 BCC ... 35.9 32.17 29 20.6 40 [†]										Barium 137.34 3.5 Ba ⁵⁶ [Xe]6s ² 5.02 BCC ... 18.4 28.07 725 50.0 110 [†]										Lanthanum 138.91 6.17 La ⁵⁷ [Xe]5d ¹ 6s ² 3.75 HEX 1.619 13.5 27.11 920 57.0 132										Hafnium 178.49 13.1 Hf ⁷² [Xe]4f ¹⁴ 5d ² 6s ² 3.20 HEX 1.582 23.0 25.73 2222 33.08 ...										Tantalum 180.95 16.6 Ta ⁷³ [Xe]4f ¹⁴ 5d ³ 6s ² 3.31 BCC ... 57.5 25.36 13.15 225										Tungsten 183.85 19.3 W ⁷⁴ [Xe]4f ¹⁴ 5d ⁴ 6s ² 3.16 BCC ... 174.0 24.27 3410 5.40 310										Rhenium 186.2 21.0 Re ⁷⁵ [Xe]4f ¹⁴ 5d ⁵ 6s ² 2.76 HEX 1.615 47.9 25.48 3180 19.3 416 [†]										Osmium 190.20 22.6 Os ⁷⁶ [Xe]4f ¹⁴ 5d ⁶ 6s ² 2.74 HEX 1.579 87.6 24.7 3045 9.5 400 [†]										Iridium 192.22 22.5 Ir ⁷⁷ [Xe]4f ¹⁴ 5d ⁷ 6s ² 3.84 FCC ... 147.0 25.10 2410 5.3 430										Platinum 195.09 21.4 Pt ⁷⁸ [Xe]4f ¹⁴ 5d ¹⁰ 6s ⁰ 3.92 FCC ... 71.6 25.86 1772 10.6 230										Gold 196.97 19.3 Au ⁷⁹ [Xe]4f ¹⁴ 5d ¹⁰ 6s ¹ 4.08 FCC ... 317.0 25.418 1064 2.35 170										Mercury 200.59 13.6 Hg ⁸⁰ [Xe]4f ¹⁴ 5d ¹⁰ 6s ² 2.99 RHL 70°45' 8.34 27.983 -38.7 95.8 100										Thallium 204.37 11.85 Tl ⁸¹ [Xe]4f ¹⁴ 5d ¹⁰ 6s ² 6p ¹ 3.46 HEX 1.599 46.1 26.32 304 18.0 96										Lead 207.19 11.4 Pb ⁸² [Xe]4f ¹⁴ 5d ¹⁰ 6s ² 6p ² 495 FCC ... 35.3 26.44 328 20.648 88										Bismuth 208.98 9.8 Bi ⁸³ [Xe]4f ¹⁴ 5d ¹⁰ 6s ² 6p ³ 4.75 RHL 57°14' 7.87 25.52 271.5 106.8 120										Polonium 210 9.4 Po ⁸⁴ [Xe]4f ¹⁴ 5d ¹⁰ 6s ² 6p ⁴ 3.35 SC 26.1 254 42.0 ...		Astatine 210 (4.4) At ⁸⁵ [Xe]4f ¹⁴ 5d ¹⁰ 6s ² 6p ⁵ (302) ...		Radon 222 (4.4) Rn ⁸⁶ [Xe]4f ¹⁴ 5d ¹⁰ 6s ² 6p ⁶ ... (FCC) 0.0036 20.786 (-71) ...																																																																			
Francium 223 (27) Fr ⁸⁷ [Rn]7s ¹ (BCC)										Radium 226 (5.0) Ra ⁸⁸ [Rn]7s ² ... 18.6 27.1 700 100.0 ...										Actinium 227 10.1 Ac ⁸⁹ [Rn]6d ¹ 7s ² 5.31 FCC 27.2 ...										Rutherfordium 261.1087 17 Rf ¹⁰⁴ [Rn]5f ¹⁴ 6d ² 7s ²										Dubnium 262.1138 21.6 Db ¹⁰⁵ [Rn]5f ¹⁴ 6d ³ 7s ²										Seaborgium 263.1182 23.2 Sg ¹⁰⁶ [Rn]5f ¹⁴ 6d ⁴ 7s ²										Bohrium 262.1229 27.2 Bh ¹⁰⁷ [Rn]5f ¹⁴ 6d ⁵ 7s ²										Hassium 265.0 28.6 Hs ¹⁰⁸ [Rn]5f ¹⁴ 6d ⁶ 7s ²										Meitnerium 266.0 28.2 Mt ¹⁰⁹ [Rn]5f ¹⁴ 6d ⁷ 7s ²										Darmstadtium 269.0 27.4 Ds ¹¹⁰ [Rn]5f ¹⁴ 6d ⁸ 7s ²										Roentgenium 274 24.4 Rg ¹¹¹ [Rn]5f ¹⁴ 6d ⁹ 7s ²										Ununium 287 16.8 Uub ¹¹² [Rn]5f ¹⁴ 6d ¹⁰ 7s ²																																																																																																															

Bismuth 208.98 ← Mass Number
 83 ← Atomic Number
 Density (gm cm⁻³) (common Crystal phase) → 9.8
 [Xe]4f¹⁴5d¹⁰6s²6p³ ← Atomic Configuration
 Lattice Constant (Å) → 4.75 → RHL 57°14' ← c/a Ratio or Angle α in RHL and b/a Ratio in ORC
 Common Crystal Phase → 7.87 ← Thermal conductivity (W/mK)
 Melting Point (C) → 271.5 106.8 120 ← Heat capacity (J/mol/K)
 Electrical resistivity (μΩ cm) ← 2.9
 Mean Dybe Temperature (LT: low temperature) ← 3.1

- Nonmetals
 - Metals
 - Transition metals
 - Metalloids
 - Rare earth metals
- FCC - Face Centered Cubic
 BCC - Body Centered Cubic
 SC - Simple Cubic
 CUB - Cubic
 TET - Tetragonal
- ORC - Orthorhombic
 HEX - Hexagonal
 DIA - Diamond
 RHL - Rhombohedral
 MCL - Monoclinic

LANTHANIDES													
Cerium 140.12 6.77 Ce 58 [Xe]4f ¹ 5d ⁰ 6s ² 5.16 FCC ... 26.94 798 75.0 139 [†]	Praseodymium 140.91 6.77 Pr 59 [Xe]4f ³ 5d ⁰ 6s ² 3.67 HEX 1.614 12.5 27.20 931 68.0 152 [†]	Neodymium 144.24 7.00 Nd 60 [Xe]4f ⁴ 5d ⁰ 6s ² 3.66 HEX 1.614 ... 16.5 27.45 1010 64.0 157 [†]	Promethium 145 Pm 61 [Xe]4f ⁵ 5d ⁰ 6s ² ... 17.9 26.8 (1077) ...	Samarium 150.35 7.54 Sm 62 [Xe]4f ⁶ 5d ⁰ 6s ² 9.00 RHL 23°13' 13.3 29.54 1072 88.0 166	Europium 151.96 7.90 Eu 63 [Xe]4f ⁷ 5d ⁰ 6s ² 4.61 BCC ... 13.9 27.66 822 90.0 107 [†]	Gadolinium 157.25 8.23 Gd 64 [Xe]4f ⁷ 5d ¹ 6s ² 3.64 HEX 1.588 10.6 37.03 1312 140.5 176 [†]	Terbium 158.92 8.54 Tb 65 [Xe]4f ⁹ 5d ⁰ 6s ² 3.60 HEX 1.58 11.1 28.91 1360 116.0 188 [†]	Dysprosium 162.50 8.78 Dy 66 [Xe]4f ¹⁰ 5d ⁰ 6s ² 3.59 HEX 1.573 10.7 28.16 1407 57.0 186 [†]	Holmium 164.93 9.05 Ho 67 [Xe]4f ¹¹ 5d ⁰ 6s ² 3.58 HEX 1.570 16.2 27.15 1470 87.0 191 [†]	Erbium 167.26 9.37 Er 68 [Xe]4f ¹² 5d ⁰ 6s ² 3.56 HEX 1.570 14.3 28.12 1522 107.0 195 [†]	Thulium 168.93 9.31 Tm 69 [Xe]4f ¹³ 5d ⁰ 6s ² 3.54 HEX 1.570 16.8 27.03 1545 79.0 200 [†]	Ytterbium 173.04 6.97 Yb 70 [Xe]4f ¹⁴ 5d ⁰ 6s ² 5.49 FCC ... 34.9 26.74 824 29.0 118 [†]	Lutetium 174.97 9.84 Lu 71 [Xe]4f ¹⁴ 5d ⁰ 6s ² 3.51 HEX 1.585 16.4 26.86 1656 79.0 207 [†]
ACTINIDES													
Thorium 232.04 11.7 Th 90 [Rn]6d ² 7s ² 5.08 FCC ... 54.0 27.32 1747 13.0 100	Protactinium 231 15.4 Pa 91 [Rn]5f ² 6d ¹ 7s ² 3.92 TET 0.825 ... 28 1197 19.1 ...	Uranium 238.03 19.07 U 92 [Rn]5f ³ 6d ¹ 7s ² 2.85 ORC 2.056 27.6 1.736 27.665 1133 30.0 210 [†]	Neptunium 237.05 20.3 Np 93 [Rn]5f ⁴ 6d ⁰ 7s ² 4.72 ORC 1.411 ... 6.3 1.035 640 122.0 188 [†]	Plutonium 244 19.8 Pu 94 [Rn]5f ⁶ 6d ⁰ 7s ² ... MCL ... 6.74 641 150.0 150 [†]	Americium 243 11.8 Am 95 [Rn]5f ⁷ 6d ⁰ 7s ² 994 90.0 ...	Curium 247 Cm 96 [Rn]5f ⁷ 6d ¹ 7s ² 1327 ...	Berkelium 247 Bk 97 [Rn]5f ⁷ 6d ² 7s ²	Californium 251 Cf 98 [Rn]5f ⁹ 6d ¹ 7s ² 25.98	Einsteinium 254 Es 99 [Rn]5f ¹⁰ 6d ⁰ 7s ²	Fermium 257 Fm 100 [Rn]5f ¹² 6d ⁰ 7s ²	Mendelevium 256 Md 101 [Rn]5f ¹³ 6d ⁰ 7s ²	Nobelium 254 No 102 [Rn]5f ¹⁴ 6d ⁰ 7s ²	Lawrencium 257 Lr 103 [Rn]5f ¹⁴ 6d ¹ 7s ²