

Table H.6: Crystal structures of the elements.
 (For details see CRC, *Handbook of Chemistry and Physics*, pp. 12-15 to 12-18.)

⁴ K H hcp 3.75 5.2 5.37 18.6	⁷ Li bcc 3.491 3.023 4.70 21.3	Be hcp 2.27 3.59 2.22 8.01	¹¹ Na bcc 4.225 3.21 3.20 2.652 37.7	Mg hcp 3.21 3.20 4.30 37.7	¹⁹ K Ca fcc 5.225 5.58 3.95 2.30 4.0 11.3	Sc hcp 3.31 3.31 5.27 3.25 4.0 25	Ti hcp 2.95 4.68 2.89 5.67 17.6	V bcc 3.03 2.88 2.62 7.2 13.9	Cr bcc 2.88 2.50 8.33 12.0	Fe bcc 2.87 4.07 2.48 8.50 11.8	Co hcp 2.51 4.07 2.50 9.0 11.1	Ni fcc 3.52 2.49 9.14 10.9	Cu fcc 3.61 2.56 8.45 11.8	Zn hcp 2.66 4.95 2.66 6.55 15.2	Ga ort. 5.658	Ge dia 2.44 4.42 22.6	As rh. 3.16 4.64 21.5	Se hex. 2.32 3.67 27.3	Br ort. 4.00 3.05 32.8	³⁶ K Kr fcc 5.64 4.00 2.22 44.9	² K He hcp 3.57 5.85 3.57 3.11 32.22
⁵⁵ Rb bcc 5.585 4.837 1.148 87.1	⁵⁶ Sr fcc 6.08 5.73 4.30 3.02 33.1	Y hcp 3.65 5.15 3.55 4.29 33.1	Zr hcp 3.23 5.15 3.17 4.29 23.3	Nb bcc 3.30 2.86 5.56 17.9	Mo bcc 3.15 2.72 6.42 15.6	Tc hcp 2.74 4.40 2.71 7.0 14.3	Ru hcp 2.71 4.28 2.65 7.36 13.6	Rh hcp 3.80 2.69 7.26 13.7	Pd fcc 3.89 2.75 6.80 14.7	Ag fcc 4.09 2.98 2.89 5.85 17.1	Cd hcp 2.98 5.62 2.98 4.64 21.6	In tetra. 3.25 6.49	Sn tetra. (c) (b) (b) 3.31 30.2	Sb rh. 2.91 2.86 2.95 3.40	Te hex. 2.86 3.54 2.35 42.6	I comp. 6.13	⁵⁴ Xe fcc 6.13 4.34 1.73 57.7	Rn -			
⁵⁵ Cs bcc 6.045 5.235 0.905 110	Ba bcc 5.02 4.35 1.58 63.2	La hex. 3.77 5.05 3.73 2.68 37.4	Hf hcp 3.19 5.05 3.13 4.5 22.2	Ta bcc 3.30 2.86 5.55 18.0	W bcc 3.16 4.46 2.74 6.30 15.9	Re hcp 2.76 4.46 2.74 6.80 14.7	Os hcp 2.74 4.32 2.68 7.14 14.0	Ir hcp 3.84 3.84 2.71 7.06 14.2	Pt fcc 3.92 2.77 6.62 15.1	Au fcc 4.08 2.88 5.90 16.9	Hg rh. 3.46 3.01 4.28 23.4	Tl hex. 4.95 5.52 3.46 3.50 28.6	Pb fcc 4.95 5.52 3.46 3.30 30.3	Bi rh. 3.34 3.07 2.82 35.4	Po sc 3.34 3.34 2.68 37.3	At -	Rn -				
Fr -	Ra -	Ac fcc 5.31 3.76 2.66 37.6	Ce fcc 5.16 3.65 2.91 34.4	Pr hex. 3.67 3.63 2.92 34.2	Nd hex. 3.66 3.66 2.93 34.1	Pm hex. - - 3.02 33.2	Sm rh. - 3.59 3.03 33.0	Eu bcc 4.58 3.96 2.08 48	Gd hcp 3.63 5.78 3.58 3.02 33	Tb hcp 3.60 5.70 3.52 3.13 32	Dy hcp 3.59 5.65 3.51 3.17 31.5	Ho hcp 3.58 5.62 3.49 3.21 31.2	Er hcp 3.56 5.59 3.47 3.26 30.7	Tm hcp 3.54 5.56 3.54 3.32 30.2	Yb fcc 5.48 - 3.88 2.43 41.2	Lu hcp 3.50 5.55 3.43 3.39 29.4	Lr -				

← crystal structure
 ← a , lattice constant (in Å)
 ← c , lattice constant (in Å)
 ← d , nearest neighbor distance (in Å)
 ← n_s , concentration of the atoms (in 10^{23} cm⁻³)
 ← V_s , volume per atom (in Å³)

Fe bcc 2.87 - 2.48 8.49 11.78

comp. = complex
 hex. = hexagonal
 ort. = orthorhombic
 rh. = rhombohedral
 tetra. = tetragonal