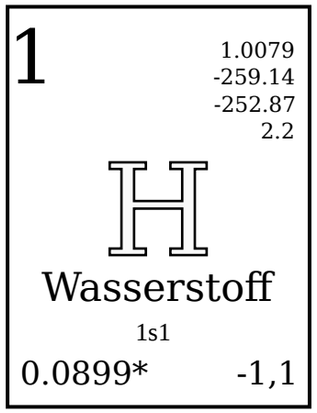
Ordnungszahl
[]: Radioaktiv

Elementsymbol

Elementname

Dichte (g/cm3)
*: Dichte (kg/m3)



Relative Atommasse (g/mol)
Schmelzpunkt
Siedepunkt
Elektronegativität

Elektronenkonfiguration

Oxidationsstufen

1 1.0079 -259.14 -252.87 2.2 **H** Wasserstoff 1s1 0.0899* -1,1																	2 4.0026 -272.2 -268.9 **He** Helium 1s2 0.18* 0
3 6.941 180.54 1342 1.0 **Li** Lithium [He]2s1 0.53 1	4 9.0122 1287 2469 1.6 **Be** Beryllium [He]2s2 1.85 2											5 10.811 2076 3927 2.0 **B** Bor [He]2s22p1 2.46 3	6 12.011 3642 2.6 **C** Kohlenstoff [He]2s22p2 2.26 2,4	7 14.007 -210.1 -195.8 3.0 **N** Stickstoff [He]2s22p3 1.25* **-3**,2,3,4,5	8 15.999 -218.3 -182.9 3.44 **O** Sauerstoff [He]2s22p4 1.43* **-2**,-1	9 18.998 -219.6 -188.1 4.0 **F** Fluor [He]2s22p5 1.70* **-1**	10 20.18 -248.6 -146.1 **Ne** Neon [He]2s22p6 0.90*
11 22.990 97.72 883 0.9 **Na** Natrium [Ne]3s1 0.97 1	12 24.305 650 1090 1.3 **Mg** Magnesium [Ne]3s2 1.74 2											13 26.982 660 2467 1.6 **Al** Aluminium [Ne]3s23p1 2.7 (1,2,)**3**	14 28.086 1410 2355 1.9 **Si** Silicium [Ne]3s23p2 2.34 -4,4	15 30.974 44.2 277 2.2 **P** Phosphor [Ne]3s23p3 1.83 -3,3,4,5	16 32.066 115.21 444.72 2.6 **S** Schwefel [Ne]3s23p4 2.07 -2,2,4,6	17 35.45 -101.5 -34.0 3.2 **Cl** Chlor [Ne]3s23p5 3.21* **-1**,1,3,5,7	18 39.95 -189.3 -185.8 **Ar** Argon [Ne]3s23p6 1.78*
19 39.098 63.38 759 0.8 **K** Kalium [Ar]4s1 0.86 1	20 40.078 1115 1757 1.0 **Ca** Calcium [Ar]4s2 1.55 2	21 44.956 1814 3103 1.4 **Sc** Scandium [Ar]3d14s2 2.99 3	22 47.88 1668 3287 1.5 **Ti** Titan [Ar]3d24s2 4.50 2,3,4	23 50.94 1910 3287 1.6 **V** Vanadium [Ar]3d34s2 6.11 2,3,4,5	24 51.996 1907 2671 1.7 **Cr** Chrom [Ar]3d54s1 7.14 2,3,6	25 54.938 1246 2061 1.6 **Mn** Mangan [Ar]3d54s2 7.43 1,2,3,4,6,7	26 55.845 1538 2861 1.8 **Fe** Eisen [Ar]3d64s2 7.87 2,**3**,4,6	27 58.933 1495 2927 1.9 **Co** Kobalt [Ar]3d74s2 8.90 2,3	28 58.693 1495 2927 1.9 **Ni** Nickel [Ar]3d84s2 8.91 2,3	29 63.546 1085 2927 1.9 **Cu** Kupfer [Ar]3d94s2 8.92 1,2	30 65.409 419.5 907 1.7 **Zn** Zink [Ar]3d104s2 7.14 2	31 69.723 29.76 2204 1.8 **Ga** Gallium [Ar]3d104s24p1 5.90 3	32 72.61 938 2820 2.0 **Ge** Germanium [Ar]3d104s24p2 5.32 -4,(2,)4	33 74.922 613 2.2 **As** Arsen [Ar]3d104s24p3 5.72 -3,3,5	34 78.96 221 685 2.6 **Se** Selen [Ar]3d104s24p4 4.82 -2,2,4,6	35 79.90 -7.3 59 3.0 **Br** Brom [Ar]3d104s24p5 3.12 **-1**,1,3,5,7	36 83.80 -157.4 -153.2 3.0 **Kr** Krypton [Ar]3d104s24p6 3.75*
37 85.468 39.31 688 0.8 **Rb** Rubidium [Kr]5s1 1.53 1	38 87.62 777 1382 1.0 **Sr** Strontium [Kr]5s2 2.63 2	39 88.906 1526 3336 1.2 **Y** Yttrium [Kr]4d15s2 4.47 3	40 91.224 1857 4409 1.3 **Zr** Zirconium [Kr]4d25s2 6.50 2,4	41 92.906 2477 4744 1.6 **Nb** Niob [Kr]4d45s1 8.57 2,5	42 95.94 2623 4912 2.2 **Mo** Molybdän [Kr]4d55s1 10.28 2,3,4,5,6	43 98.906 2157 4265 1.9 **Tc** Technetium [Kr]4d65s1 11.5 -3 bis 7	44 101.07 2334 4150 2.2 **Ru** Ruthenium [Kr]4d75s1 12.37 2,3,4,6,8	45 102.81 1964 3695 2.3 **Rh** Rhodium [Kr]4d85s1 12.38 0,1,2,3,4	46 106.47 1555 2963 2.2 **Pd** Palladium [Kr]4d105s0 11.99 0,2,4	47 107.87 962 2162 1.9 **Ag** Silber [Kr]4d105s1 10.49 1,2,3	48 112.41 321 767 1.7 **Cd** Cadmium [Kr]4d105s2 8.65 2	49 114.82 156.6 2072 1.8 **In** Indium [Kr]4d105s25p1 7.31 (1,)3	50 72.61 231.9 2602 2.0 **Sn** Zinn [Kr]4d105s25p2 5.77 -4,(2,)4	51 121.76 630.63 1587 2.0 **Sb** Antimon [Kr]4d105s25p3 6.70 -3,**3**,5	52 127.60 449.5 988 2.1 **Te** Tellur [Kr]4d105s25p4 6.24 -2,2,4,6	53 126.90 113.70 184.3 2.7 **I** Iod [Kr]4d105s25p5 4.94 **-1**,1,3,5,7	54 131.29 -111.7 -108 2.6 **Xe** Xenon [Kr]4d105s25p6 5.90*
55 132.91 28.44 671 0.8 **Cs** Cäsium [Xe]6s1 1.90 1	56 137.33 727 1870 0.9 **Ba** Barium [Xe]6s2 3.62 2		72 178.49 2233 4603 1.3 **Hf** Hafnium [Xe]4f145d26s2 13.28 4	73 180.95 3017 5458 1.5 **Ta** Tantal [Xe]4f145d36s2 16.65 5	74 183.84 3422 5555 2.4 **W** Wolfram [Xe]4f145d46s2 19.3 2,3,4,5,6	75 186.21 3186 5596 1.9 **Re** Rhenium [Xe]4f145d56s2 21.0 2,4,7	76 190.23 3130 5000 2.2 **Os** Osmium [Xe]4f145d66s2 22.59 2,3,4,6,8	77 192.22 2466 4428 2.2 **Ir** Iridium [Xe]4f145d76s2 22.56 1,2,3,4,6	78 195.08 1768 3825 2.3 **Pt** Platin [Xe]4f145d96s1 21.45 0,2,4,6	79 196.97 1064 2856 2.5 **Au** Gold [Xe]4f145d106s1 19.32 1,3	80 200.59 -38.83 356.73 2.0 **Hg** Quecksilber [Xe]4f145d106s2 13.55 1,2,4	81 204.38 304 1473 1.6 **Tl** Thallium [Xe]4f145d106s26p1 11.85 1,3	82 207.2 327.4 1749 2.3 **Pb** Blei [Xe]4f145d106s26p2 11.34 **2**,4	83 208.98 271.3 1564 2.0 **Bi** Bismuth [Xe]4f145d106s26p3 9.78 (-3),1,**3**,5	[84] 209.98 254 962 2.0 **Po** Polonium [Xe]4f145d106s26p4 9.20 -2,2,4,6	[85] 209.99 302 2.0 **At** Astat [Xe]4f145d106s26p5 **-1**,1,3,5,7	[86] 222.02 -71 -61.8 **Rn** Radon [Xe]4f145d106s26p6 9.73*
[87] 223.02 27 677 0.7 **Fr** Francium [Rn]7s1 1	[88] 226.03 700 1737 0.9 **Ra** Radium [Rn]7s2 5.5 2		[104] 261.11 **Rf** Rutherfordium [Rn]5f146d27s2	[105] 262.11 **Db** Dubnium [Rn]5f146d37s2	[106] 266.12 **Sg** Seaborgium [Rn]5f146d47s2	[107] 264.12 **Bh** Bohrium [Rn]5f146d57s2	[108] 269.13 **Hs** Hassium [Rn]5f146d66s2	[109] 268.14 **Mt** Meitnerium [Rn]5f146d77s2	[110] 271.15 **Ds** Darmstadtium [Rn]5f146d97s1	[111] 272.15 **Rg** Roentgenium [Rn]5f146d107s1	[112] 277 **Cn** Copernicium [Rn]5f146d107s2	[113] **Uut** Ununtrium [Rn]5f146d107s27p1	[114] **Uuq** Ununquadium [Rn]5f146d107s27p2	[115] **Uup** Ununpentium [Rn]5f146d107s27p3	[116] **Uuh** Ununhexium [Rn]5f146d107s27p4	[117] **Uus** Ununseptium [Rn]5f146d107s27p5	[118] **Uuo** Ununoctium [Rn]5f146d107s27p6

57 138.91 920 3470 2.0 **La** Lanthan [Xe]4f05d16s2 6.17 3	58 140.12 795 3360 1.1 **Ce** Cer [Xe]4f15d16s2 6.77 3,4	59 140.91 935 3290 1.1 **Pr** Praseodym [Xe]4f35d06s2 6.48 3,4	60 144.24 1024 3100 1.1 **Nd** Neodym [Xe]4f45d06s2 7.00 3,4	61 146.92 1100 3000 1.1 **Pm** Promethium [Xe]4f55d06s2 7.2 3	62 146.92 1072 1803 1.2 **Sm** Samarium [Xe]4f65d06s2 7.54 2,3	63 146.92 826 1527 1.2 **Eu** Europium [Xe]4f75d06s2 5.25 2,3	64 157.25 1312 3250 1.2 **Gd** Gadolinium [Xe]4f75d16s2 7.89 2,3	65 158.93 1356 3230 1.2 **Tb** Terbium [Xe]4f95d06s2 8.25 3,4	66 162.50 1407 2567 1.2 **Dy** Dysprosium [Xe]4f105d06s2 8.56 3	67 164.93 1461 2820 1.2 **Ho** Holmium [Xe]4f115d06s2 8.78 3	68 167.26 1529 2868 1.2 **Er** Erbium [Xe]4f125d06s2 8.78 3	69 168.93 1545 1950 1.3 **Tm** Thulium [Xe]4f135d06s2 9.32 2,3,4	70 173.04 824 1196 1.3 **Yb** Ytterbium [Xe]4f145d06s2 6.97 2,3	71 174.97 1652 3402 1.3 **Lu** Lutetium [Xe]4f145d16s2 9.84 3
[89] 227.03 1050 3300 1.1 **Ac** Actinium [Rn]5f06d17s2 10.07 3	[90] 232.04 1755 4788 1.3 **Th** Thorium [Rn]5f06d27s2 11.72 2,3,4	[91] 231.04 1568 1.5 **Pa** Protoactinium [Rn]5f26d17s2 15.37 5	[92] 238.03 1133 3930 1.4 **U** Uran [Rn]5f36d17s2 19.16 3,4,5,6	[93] 237.05 639 3902 1.4 **Np** Neptunium [Rn]5f46d17s2 20.45 3,4,5,6,7	[94] 244.06 639 3230 1.3 **Pu** Plutonium [Rn]5f66d07s2 19.82 3,4,5,6,7	[95] 243.06 1176 2607 1.3 **Am** Americium [Rn]5f76d07s2 13.67 2,**3**,4,5,6	[96] 247.07 1340 3110 1.3 **Cm** Curium [Rn]5f76d17s2 13.51 (2,)3,4	[97] 247.07 986 1.3 **Bk** Berkelium [Rn]5f86d17s2 14.78 **3**,4	[98] 251.08 900 1.3 **Cf** Californium [Rn]5f106d07s2 15.1 (2,)3(,4)	[99] 252.08 860 996 **Es** Einsteinium [Rn]5f116d07s2 8.84 (2,)3(,4)	[100] 257.18 852 **Fm** Fermium [Rn]5f126d07s2 2,3	[101] 258.10 **Md** Mendelevium [Rn]5f136d07s2 2,3	[102] 259.10 **No** Nobelium [Rn]5f146d07s2 2,3	[103] 262.11 **Lr** Lawrencium [Rn]5f146d17s2 3