

periodic table of the elements

Periodensystem der Elemente

MERCK

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1 H 1.00794 -252.9 2.20	2 He 4.002602 -272.2 -268.93	3 Li 6.941 180.5 1342 9.7 1.01	4 Be 9.0122 1287 2471 1.47	5 B 10.811 2075 4000 2.01	6 C 12.011 3550 4627 2.50	7 N 14.007 -210 -195.798 3.07	8 O 15.999 -218.79 -182.95 3.50	9 F 18.998 -219.67 -188.12 4.10	10 Ne 20.1797 -248.609 -246.053	11 Na 22.990 97.80 883 1.01	12 Mg 24.305 650 1090 1.23	13 Al 26.982 660.32 2519 1.47	14 Si 28.086 1414 3265 1.74	15 P 30.974 441.5 280.5 2.06	16 S 32.065 441.15 444.61 2.44	17 Cl 35.453 -101.5 -34.04 2.83	18 Ar 39.948 -189.36 -185.85
19 K 39.098 63.5 759 0.91	20 Ca 40.078 1484 1.04	21 Sc 44.956 1541 120	22 Ti 47.867 1668 132	23 V 50.942 1910 145	24 Cr 51.996 1907 1671 1.56	25 Mn 54.938 1246 2061 1.60	26 Fe 55.845 1538 2861 1.64	27 Co 58.933 1495 2927 1.70	28 Ni 58.693 1455 2913 1.75	29 Cu 63.546 1084.62 2562 1.75	30 Zn 65.409 419.53 907 1.66	31 Ga 69.723 29.76 2204 1.82	32 Ge 72.64 938.25 2833 2.02	33 As 74.922 subl. 616 2833 2.20	34 Se 78.96 221 685 2.48	35 Br 79.904 58.8 2.74	36 Kr 83.798 -157.36 -153.34
37 Rb 85.468 39.3 688 0.89	38 Sr 87.62 777 1377 0.99	39 Y 88.906 1522 3345 1.11	40 Zr 91.224 1855 4409 1.22	41 Nb 92.906 2477 4744 1.23	42 Mo 95.94 2623 4639 1.30	43 Tc 99.907 2157 4262 1.36	44 Ru 101.07 2334 4150 1.42	45 Rh 102.91 1964 3695 1.45	46 Pd 106.42 1554.8 2963 1.30	47 Ag 107.87 961.78 2162 1.42	48 Cd 112.41 321.07 767 1.46	49 In 114.82 204.38 304 1.44	50 Sn 118.71 231.93 2602 1.72	51 Sb 121.76 630.63 1587 1.82	52 Te 127.60 449.51 988 2.01	53 I 126.90 113.7 184.4 2.21	54 Xe 131.29 -111.74 -108.09
55 Cs 132.91 28.44 671 0.86	56 Ba 137.33 727 1897 0.97	57-71 Lanthanides Lanthanoide	72 Hf 178.49 2233 4603 1.23	73 Ta 180.95 3017 5455 1.33	74 W 183.84 3422 5555 1.40	75 Re 186.21 3185 5596 1.46	76 Os 190.23 3033 5012 1.52	77 Ir 192.22 2446 4428 1.55	78 Pt 195.08 1768.2 3825 1.42	79 Au 196.97 1064.18 2856 1.42	80 Hg 200.59 -38.83 356.62 1.44	81 Tl 204.38 304 1749 1.44	82 Pb 207.2 327.46 1749 1.55	83 Bi 208.98 271.4 1564 1.67	84 Po 209 254 962 1.76	85 At 209.99 302 336.95 1.96	86 Rn 222.02 -71 -61.7
87 Fr 223.02 722 1140 0.86	88 Ra 226.03 696 1140 0.97	89-103 Actinides Actinoide	104 Rf 261.11	105 Db 261.11	106 Sg 266.12	107 Bh 264.12	108 Hs 277	109 Mt 268.14	110 Ds 281	111 Rg 280	112 Cn 285	113 Uut 284	114 Fl 287	115 Uup 288	116 Lv 291	117 Uus 294	118 Uuo 294

- Nonmetals, Nichtmetalle
 - Halogens, Halogene
 - Inert gases, Edelgase
 - Alkaline-earth metals, Erdalkalimetalle
 - Alkali metals, Alkalimetalle
 - Transition metals, Übergangsmetalle
 - Lanthanides, Lanthanoide
 - Actinides, Actinoide
 - Other metals, andere Metalle
 - Semi metals, Halbmetalle
- * Most stable isotope, stabilstes Isotop

57 La 138.91 920 3464 1.08	58 Ce 140.12 799 3443 1.08	59 Pr 140.91 931 3520 1.07	60 Nd 144.24 1016 3074 1.07	61 Pm 144.91 1042 3000 1.07	62 Sm 150.36 1072 1794 1.07	63 Eu 151.96 822 1596 1.01	64 Gd 157.25 1313 3273 1.11	65 Tb 158.93 1359 3230 1.10	66 Dy 162.50 1412 2567 1.10	67 Ho 164.93 1470 2472 1.10	68 Er 167.26 1529 2688 1.11	69 Tm 168.93 1545 1950 1.11	70 Yb 173.04 824 1196 1.06	71 Lu 174.97 1663 3402 1.14
89 Ac 227.03 1050 3198 1.00	90 Th 232.04 1750 4788 1.11	91 Pa 231.04 1572 1.14	92 U 238.03 1135 4131 1.22	93 Np 237.05 644 3902 1.22	94 Pu 244.06 640 3228 1.22	95 Am 243.06 1176 2011 1.20	96 Cm 247.07 1345 1.20	97 Bk 247.07 996 1.20	98 Cf 251.08 900 1.20	99 Es 252.08 860 1.20	100 Fm 257.095 1527 1.20	101 Md 258.10 827 1.20	102 No 259.10 1.20	103 Lr 262.11 1.20



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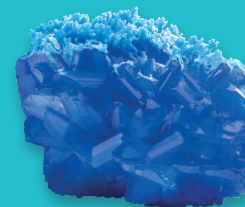
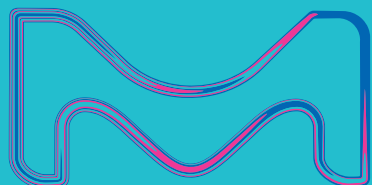
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