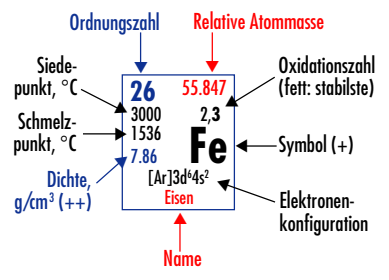


1										18																													
1 1.0079 -252.7 -259.2 0.071 1s¹ Wasserstoff																		2 4.0026 -268.9 -269.7 0.126 1s² Helium																					
3 6.941 1330 180.5 0.53 [He] 2s¹ Lithium	4 9.0122 2770 1277 1.85 [He] 2s² Beryllium																	5 10.811 - (2030) 2.34 [He] 2s² 2p¹ Bor	6 12.011 4830 3727g 2.26 [He] 2s² 2p² Kohlenstoff	7 14.0067 -195.8 ±3,2,4,5 -210 0.81 [He] 2s² 2p³ Stickstoff	8 15.9994 -183 -218.8 1.14 [He] 2s² 2p⁴ Sauerstoff	9 18.9984 -188.2 -219.6 1.505 [He] 2s² 2p⁵ Fluor	10 20.1797 -246 -248.6 1.20 [He] 2s² 2p⁶ Neon											13 26.9815 2450 660 2.70 [Ne] 3s² 3p¹ Aluminium	14 28.0855 2680 1410 2.33 [Ne] 3s² 3p² Silizium	15 30.9738 280w ±3,4,5 44.2w 1.82w [Ne] 3s² 3p³ Phosphor	16 32.066 444.6 ±2,4,6 119.0 2.07 [Ne] 3s² 3p⁴ Schwefel	17 35.4527 -34.7 ±1,3,5,7 -101.0 1.56 [Ne] 3s² 3p⁵ Chlor	18 39.948 -185.8 -189.4 1.40 [Ne] 3s² 3p⁶ Argon
11 22.9898 892 97.8 0.97 [Ne] 3s¹ Natrium	12 24.3050 1107 650 1.74 [Ne] 3s² Magnesium																	19 39.0983 760 63.7 0.86 [Ar] 4s¹ Kalium	20 40.078 1440 838 1.55 [Ar] 4s² Kalzium	21 44.9559 2730 1539 3.0 [Ar] 3d¹ 4s² Scandium	22 47.88 3260 1668 4.51 [Ar] 3d² 4s² Titan	23 50.9415 3450 1900 6.1 [Ar] 3d³ 4s² Vanadium	24 51.9961 2665 1875 7.19 [Ar] 3d⁴ 4s¹ Chrom	25 54.9380 2150 1245 7.43 [Ar] 3d⁵ 4s² Mangan	26 55.847 3000 1536 7.86 [Ar] 3d⁶ 4s² Eisen	27 58.9332 2900 1495 8.9 [Ar] 3d⁷ 4s² Kobalt	28 58.69 2730 1453 8.9 [Ar] 3d⁸ 4s² Nickel	29 63.546 2595 1083 8.96 [Ar] 3d⁹ 4s¹ Kupfer	30 65.39 906 419.5 7.14 [Ar] 3d¹⁰ 4s² Zink	31 69.723 2237 29.8 5.91 [Ar] 3d¹⁰ 4s² 4p¹ Gallium	32 72.61 2830 937.4 5.32 [Ar] 3d¹⁰ 4s² 4p² Germanium	33 74.9216 613 217 5.72 subl. ±3,5 [Ar] 3d¹⁰ 4s² 4p³ Arsen	34 78.96 685 217 4.79 [Ar] 3d¹⁰ 4s² 4p⁴ Selen	35 79.904 58 ±1,5 -7.2 3.12 [Ar] 3d¹⁰ 4s² 4p⁵ Brom	36 83.80 -152 -157.3 2.6 [Ar] 3d¹⁰ 4s² 4p⁶ Krypton				
37 85.4678 688 38.9 1.53 [Kr] 5s¹ Rubidium	38 87.62 1380 768 2.6 [Kr] 5s² Strontium	39 88.9058 2927 1509 4.47 [Kr] 4d¹ 5s² Yttrium	40 91.224 3580 1852 6.49 [Kr] 4d² 5s² Zirkon	41 92.9064 3300 2468 8.4 [Kr] 4d⁵ 5s¹ Niob	42 95.94 5560 2610 10.2 [Kr] 4d⁵ 5s¹ Molybdän	43 98.9063 - 2140 11.5 [Kr] 4d⁵ 5s² Technetium	44 101.07 4900 2500 12.2 [Kr] 4d⁷ 5s¹ Ruthenium	45 102.9055 4500 1966 12.4 [Kr] 4d⁸ 5s¹ Rhodium	46 106.42 3980 1552 12.0 [Kr] 4d⁹ 5s¹ Palladium	47 107.8682 2210 960.8 10.5 [Kr] 4d¹⁰ 5s¹ Silber	48 112.411 765 320.9 8.65 [Kr] 4d¹⁰ 5s² Cadmium	49 114.82 2000 156.2 7.31 [Kr] 4d¹⁰ 5s² 5p¹ Indium	50 118.710 2270 231.9 7.30 [Kr] 4d¹⁰ 5s² 5p² Zinn	51 121.75 1380 ±3,5 630.5 6.62 [Kr] 4d¹⁰ 5s² 5p³ Antimon	52 127.60 989.8 449.5 6.24 [Kr] 4d¹⁰ 5s² 5p⁴ Tellur	53 126.9045 183 ±1,5,7 -7.2 4.94 [Kr] 4d¹⁰ 5s² 5p⁵ Jod	54 131.29 -108.0 -111.9 3.06 [Kr] 4d¹⁰ 5s² 5p⁶ Xenon																						
55 132.9054 690 28.7 1.90 [Xe] 6s¹ Cäsium	56 137.327 1640 714 3.5 [Xe] 6s² Barium	57 138.9055 3470 920 6.17 [Xe] 4f¹ 5d¹ 6s² Lanthan	72 178.49 5400 2222 13.1 [Xe] 4f¹⁴ 5d¹ 6s² Hafnium	73 180.9479 5425 2996 16.6 [Xe] 4f¹⁴ 5d³ 6s² Tantal	74 183.85 5930 3410 19.3 [Xe] 4f¹⁴ 5d⁴ 6s² Wolfram	75 186.207 5900 3180 21.0 [Xe] 4f¹⁴ 5d⁵ 6s² Rhenium	76 190.2 5500 3000 22.6 [Xe] 4f¹⁴ 5d⁶ 6s² Osmium	77 192.22 5300 2454 22.5 [Xe] 4f¹⁴ 5d⁷ 6s² Iridium	78 195.08 4530 1769 21.4 [Xe] 4f¹⁴ 5d⁸ 6s¹ Platin	79 196.9665 2970 1063 19.3 [Xe] 4f¹⁴ 5d⁹ 6s¹ Gold	80 200.59 357 -38.4 13.6 1,2 [Xe] 4f¹⁴ 5d¹⁰ 6s¹ Quecksilber	81 204.3833 1457 303 11.85 [Xe] 4f¹⁴ 5d¹⁰ 6s² 6p¹ Thallium	82 207.2 1725 327.4 11.4 [Xe] 4f¹⁴ 5d¹⁰ 6s² 6p² Blei	83 208.9804 1560 271.3 9.8 [Xe] 4f¹⁴ 5d¹⁰ 6s² 6p³ Bismuth	84 (208.9824) - 254 (9.2) [Xe] 4f¹⁴ 5d¹⁰ 6s² 6p⁴ Polonium	85 (209.9871) - ±1,3,5,7 (302) [Xe] 4f¹⁴ 5d¹⁰ 6s² 6p⁵ Astat	86 (222.0176) (-61.8) (-71) - [Xe] 4f¹⁴ 5d¹⁰ 6s² 6p⁶ Radon																						
87 (223.0197) - (27) [Rn] 7s¹ Francium	88 (226.0254) 700 5.0 [Rn] 7s² Radium	89 (227.0278) - 1050 [Rn] 6d¹ 7s² Actinium																																					

→	58 140.115 3468 795 6.67 [Xe] 4f¹⁴ 5d¹ 6s² Cer	59 140.9076 3127 935 6.77 [Xe] 4f¹⁴ 5d² 6s² Praseodym	60 144.24 3027 1024 7.00 [Xe] 4f¹⁴ 5d³ 6s² Neodym	61 (146.9151) - (1027) [Xe] 4f¹⁴ 5d⁴ 6s² Promethium	62 150.36 1900 1072 7.54 [Xe] 4f¹⁴ 5d⁴ 6s² Samarium	63 151.965 1439 826 5.26 [Xe] 4f¹⁴ 5d⁵ 6s² Europium	64 157.25 3000 1312 7.89 [Xe] 4f¹⁴ 5d⁶ 6s² Gadolinium	65 158.9253 2800 1356 8.27 [Xe] 4f¹⁴ 5d⁷ 6s² Terbium	66 162.50 2600 1407 8.54 [Xe] 4f¹⁴ 5d⁸ 6s² Dysprosium	67 164.9303 2600 1461 8.80 [Xe] 4f¹⁴ 5d⁹ 6s² Holmium	68 167.26 2900 1497 9.05 [Xe] 4f¹⁴ 5d¹⁰ 6s² Erbium	69 168.9342 1727 1545 9.33 [Xe] 4f¹⁴ 5d¹⁰ 6s² Thulium	70 173.04 1427 824 6.98 [Xe] 4f¹⁴ 5d¹⁰ 6s² Ytterbium	71 174.967 3327 1652 9.84 [Xe] 4f¹⁴ 5d¹⁰ 6s² Lutetium
→	90 232.0381 3850 1750 11.7 [Rn] 5f¹⁴ 6d² 7s² Thorium	91 (231.0359) - (1230) 15.4 [Rn] 5f¹⁴ 6d³ 7s² Protactinium	92 238.0289 3818 1132 19.07 [Rn] 5f¹⁴ 6d³ 7s² Uran	93 (237.0482) - 637 19.5 [Rn] 5f¹⁴ 6d⁴ 7s² Neptunium	94 (244.0642) 3235 640 [Rn] 5f¹⁴ 6d⁴ 7s² Plutonium	95 (243.0614) - 3,4,5,6 11.7 [Rn] 5f¹⁴ 6d⁵ 7s² Americium	96 (247.0703) - 3 [Rn] 5f¹⁴ 6d⁵ 7s² Curium	97 (247.0703) - 3,4 [Rn] 5f¹⁴ 6d⁶ 7s² Berkelium	98 (251.0796) - 3 [Rn] 5f¹⁴ 6d⁷ 7s² Californium	99 (252.0829) - [Rn] 5f¹⁴ 6d⁷ 7s² Einsteinium	100 (257.095) - [Rn] 5f¹⁴ 6d⁷ 7s² Fermium	101 (258.099) - [Rn] 5f¹⁴ 6d⁷ 7s² Mendelevium	102 (259.101) - [Rn] 5f¹⁴ 6d⁷ 7s² Nobelium	103 (260.105) - [Rn] 5f¹⁴ 6d⁷ 7s² Lawrencium



**Bemerkungen:**  
 (+) schwarz – fest, rot – gasförmig, lila – flüssig, grau – instabil, nicht in der Natur vorkommend  
 (++) Die Dichte für gasförmige Elemente entspricht dem Wert der flüssigen Form beim Siedepunkt.