



# Periodensystem der Elemente (PSE)

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Hauptgruppen	
I	II
1.0 <b>H</b> 1 Wasserstoff	
6,9 <b>Li</b> 3 Lithium	9,0 <b>Be</b> 4 Beryllium
23,0 <b>Na</b> 11 Natrium	24,3 <b>Mg</b> 12 Magnesium
39,1 <b>K</b> 19 Kalium	40,1 <b>Ca</b> 20 Calcium
85,5 <b>Rb</b> 37 Rubidium	87,6 <b>Sr</b> 38 Strontium
132,9 <b>Cs</b> 55 Caesium	137,3 <b>Ba</b> 56 Barium
[223] <b>Fr</b> 87 Francium	[226] <b>Ra</b> 88 Radium

Nebengruppen											
	45,0 <b>Sc</b> 21 Scandium	47,9 <b>Ti</b> 22 Titan	50,9 <b>V</b> 23 Vanadium	52,0 <b>Cr</b> 24 Chrom	54,9 <b>Mn</b> 25 Mangan	55,9 <b>Fe</b> 26 Eisen	58,9 <b>Co</b> 27 Kobalt	58,7 <b>Ni</b> 28 Nickel	63,6 <b>Cu</b> 29 Kupfer	65,4 <b>Zn</b> 30 Zink	
	88,9 <b>Y</b> 39 Yttrium	91,2 <b>Zr</b> 40 Zirkonium	92,9 <b>Nb</b> 41 Niob	95,9 <b>Mo</b> 42 Molybdän	[98] <b>Tc</b> 43 Technetium	101,1 <b>Ru</b> 44 Ruthenium	102,9 <b>Rh</b> 45 Rhodium	106,4 <b>Pd</b> 46 Palladium	107,9 <b>Ag</b> 47 Silber	112,4 <b>Cd</b> 48 Cadmium	
	175,0 <b>Lu</b> 71 Lutetium	178,5 <b>Hf</b> 72 Hafnium	181,0 <b>Ta</b> 73 Tantal	183,8 <b>W</b> 74 Wolfram	186,2 <b>Re</b> 75 Rhenium	190,2 <b>Os</b> 76 Osmium	192,2 <b>Ir</b> 77 Iridium	195,1 <b>Pt</b> 78 Platin	197,0 <b>Au</b> 79 Gold	200,6 <b>Hg</b> 80 Quecksilber	
	[262] <b>Lr</b> 103 Lawrencium	[261] <b>Rf</b> 104 Rutherfordium	[262] <b>Db</b> 105 Dubnium	[268] <b>Sg</b> 106 Seaborgium	[264] <b>Bh</b> 107 Bohrium	[277] <b>Hs</b> 108 Hassium	[268] <b>Mt</b> 109 Meitnerium	[281] <b>Ds</b> 110 Darmstadtium	[272] <b>Rg</b> 111 Roentgenium	[277] <b>Cn</b> 112 Copernicium	

Hauptgruppen					
III	IV	V	VI	VII	VIII
					4,0 <b>He</b> 2 Helium
10,8 <b>B</b> 5 Bor	12,0 <b>C</b> 6 Kohlenstoff	14,0 <b>N</b> 7 Stickstoff	16,0 <b>O</b> 8 Sauerstoff	19,0 <b>F</b> 9 Fluor	20,2 <b>Ne</b> 10 Neon
27,0 <b>Al</b> 13 Aluminium	28,1 <b>Si</b> 14 Silicium	31,0 <b>P</b> 15 Phosphor	32,1 <b>S</b> 16 Schwefel	35,5 <b>Cl</b> 17 Chlor	40,0 <b>Ar</b> 18 Argon
69,7 <b>Ga</b> 31 Gallium	72,6 <b>Ge</b> 32 Germanium	74,9 <b>As</b> 33 Arsen	79,0 <b>Se</b> 34 Selen	79,9 <b>Br</b> 35 Brom	83,8 <b>Kr</b> 36 Krypton
114,8 <b>In</b> 49 Indium	118,7 <b>Sn</b> 50 Zinn	121,8 <b>Sb</b> 51 Antimon	127,6 <b>Te</b> 52 Tellur	126,9 <b>I</b> 53 Iod	131,3 <b>Xe</b> 54 Xenon
204,4 <b>Tl</b> 81 Thallium	207,2 <b>Pb</b> 82 Blei	209,0 <b>Bi</b> 83 Bismut	[209] <b>Po</b> 84 Polonium	[210] <b>At</b> 85 Astat	[222] <b>Rn</b> 86 Radon

Lanthanoide 57 – 70	138,9 <b>La</b> 57 Lanthan	140,1 <b>Ce</b> 58 Cer	140,9 <b>Pr</b> 59 Praseodym	144,2 <b>Nd</b> 60 Neodym	[145] <b>Pm</b> 61 Promethium	150,4 <b>Sm</b> 62 Samarium	152,0 <b>Eu</b> 63 Europium	157,3 <b>Gd</b> 64 Gadolinium	159,0 <b>Tb</b> 65 Terbium	162,5 <b>Dy</b> 66 Dysprosium	164,9 <b>Ho</b> 67 Holmium	167,3 <b>Er</b> 68 Erbium	168,9 <b>Tm</b> 69 Thulium	173,0 <b>Yt</b> 70 Ytterbium
Actinoide 89 – 102	227,0 <b>Ac</b> 89 Actinium	232,0 <b>Th</b> 90 Thorium	[231] <b>Pa</b> 91 Protactinium	238,0 <b>U</b> 92 Uran	[237] <b>Np</b> 93 Neptunium	[244] <b>Pu</b> 94 Plutonium	[243] <b>Am</b> 95 Americium	[247] <b>Cm</b> 96 Curium	[247] <b>Bk</b> 97 Berkeleium	[251] <b>Cf</b> 98 Californium	[252] <b>Es</b> 99 Einsteinium	[257] <b>Fm</b> 100 Fermium	[258] <b>Md</b> 101 Mendelevium	[259] <b>No</b> 102 Nobelium