

Periode	Elektronenkonfiguration	s ¹ s ²		Periodensystem der Elemente																p ¹ p ² p ³ p ⁴ p ⁵ p ⁶						Schale		
		1	2	Hauptgruppen																13	14	15	16	17	18			
		Ia IIa																		III a	IV a	V a	VI a	VII a	0			
1		1,0079 1 H 1s ¹ -1, +1																								4,0026 2 He 1s ² 0	K	
2	[He]	6,941 3 Li 2s ¹ +1	9,0122 4 Be 2s ² +2	Übergangsmetalle (Nebengruppen)																10,811 5 B 2s ² 2p ¹ +3	12,011 6 C 2s ² 2p ² -4, 2, 4	14,007 7 N 2s ² 2p ³ 2, +3, 4, 5	15,9994 8 O 2s ² 2p ⁴ -2 (-1)	18,998 9 F 2s ² 2p ⁵ -1	20,18 10 Ne 2s ² 2p ⁶ 0	[He] =	L	
3	[Ne]	22,990 11 Na 3s ¹ +1	24,305 12 Mg 3s ² +2	d ¹	d ²	d ³	d ⁴	d ⁵	d ⁶	d ⁷	d ⁸	d ⁹	d ¹⁰							26,982 13 Al 3s ² 3p ¹ +3	28,086 14 Si 3s ² 3p ² 4	30,974 15 P 3s ² 3p ³ -3, 3, 5	32,066 16 S 3s ² 3p ⁴ -2, 2, 4, 6	35,453 17 Cl 3s ² 3p ⁵ -1, 1, 3, 5, 7	39,948 18 Ar 3s ² 3p ⁶ 0	M		
4	[Ar]	39,098 19 K 4s ¹ +1	40,078 20 Ca 4s ² +2	III b	IV b	V b	VI b	VII b	VIII	IX	X	XI	II b	31 Ga 3d ¹⁰ 4s ² 4p ¹ +3	32 Ge 3d ¹⁰ 4s ² 4p ² 4	33 As 3d ¹⁰ 4s ² 4p ³ -3, 3, 5	34 Se 3d ¹⁰ 4s ² 4p ⁴ -2, 4, 6	35 Br 3d ¹⁰ 4s ² 4p ⁵ -1, 1, 3, 5, 7	36 Kr 3d ¹⁰ 4s ² 4p ⁶ 0, (2, 4, 6)	69,723 31 Ga 3d ¹⁰ 4s ² 4p ¹ +3	72,61 32 Ge 3d ¹⁰ 4s ² 4p ² 4	74,922 33 As 3d ¹⁰ 4s ² 4p ³ -3, 3, 5	78,96 34 Se 3d ¹⁰ 4s ² 4p ⁴ -2, 4, 6	79,904 35 Br 3d ¹⁰ 4s ² 4p ⁵ -1, 1, 3, 5, 7	83,798 36 Kr 3d ¹⁰ 4s ² 4p ⁶ 0, (2, 4, 6)	N		
5	[Kr]	85,468 37 Rb 5s ¹ +1	87,62 38 Sr 5s ² +2	88,906 39 Y 4d ¹ 5s ² +3	91,224 40 Zr 4d ² 5s ² +3, +4	92,906 41 Nb 4d ⁴ 5s ¹ 3, 5	95,94 42 Mo 4d ⁵ 5s ¹ 2, 3, 4, 5, 6	98,906 43 Tc 4d ⁵ 5s ¹ 7	101,07 44 Ru 4d ⁷ 5s ¹ 3, 4, 8	102,91 45 Rh 4d ⁸ 5s ¹ 2, 4	106,42 46 Pd 4d ¹⁰ 2	107,87 47 Ag 4d ¹⁰ 5s ¹ 1	112,41 48 Cd 4d ¹⁰ 5s ² 2	114,82 49 In 4d ¹⁰ 5s ² 5p ¹ 3	118,71 50 Sn 4d ¹⁰ 5s ² 5p ² 2, 4	121,76 51 Sb 4d ¹⁰ 5s ² 5p ³ -3, 3, 5	127,60 52 Te 4d ¹⁰ 5s ² 5p ⁴ -2, 4, 6	126,90 53 I 4d ¹⁰ 5s ² 5p ⁵ -1, 1, 3, 5, 7	131,29 54 Xe 4d ¹⁰ 5s ² 5p ⁶ 0, (2, 4, 6)	118,71 49 In 4d ¹⁰ 5s ² 5p ¹ 3	121,76 50 Sn 4d ¹⁰ 5s ² 5p ² 2, 4	127,60 51 Sb 4d ¹⁰ 5s ² 5p ³ -3, 3, 5	126,90 52 Te 4d ¹⁰ 5s ² 5p ⁴ -2, 4, 6	126,90 53 I 4d ¹⁰ 5s ² 5p ⁵ -1, 1, 3, 5, 7	131,29 54 Xe 4d ¹⁰ 5s ² 5p ⁶ 0, (2, 4, 6)	O		
6	[Xe]	132,91 55 Cs 6s ¹ +1	137,33 56 Ba 6s ² +2	138,91 57 La 5d ¹ 6s ² +3	178,49 72 Hf 4f ¹⁴ 5d ² 6s ² +4	180,95 73 Ta 4f ¹⁴ 5d ³ 6s ² +5	183,84 74 W 4f ¹⁴ 5d ⁴ 6s ² 2, 3, 4, 5, 6	186,21 75 Re 4f ¹⁴ 5d ⁵ 6s ² 2, 4, 7	190,23 76 Os 4f ¹⁴ 5d ⁶ 6s ² 2, 3, 4, 6, 8	192,22 77 Ir 4f ¹⁴ 5d ⁷ 6s ² 2, 3, 4, 6	195,08 78 Pt 4f ¹⁴ 5d ⁸ 6s ¹ 2, 4	197,97 79 Au 4f ¹⁴ 5d ¹⁰ 6s ¹ 1, 3	200,59 80 Hg 4f ¹⁴ 5d ¹⁰ 6s ² 1, 2	204,38 81 Tl 4f ¹⁴ 5d ¹⁰ 6s ² 6p ¹ 1, 3	207,2 82 Pb 4f ¹⁴ 5d ¹⁰ 6s ² 6p ² 2, 4	208,98 83 Bi 4f ¹⁴ 5d ¹⁰ 6s ² 6p ³ 3, 5	209,98 84 Po* 4f ¹⁴ 5d ¹⁰ 6s ² 6p ⁴ 2, 4, 6	209,99 85 At* 4f ¹⁴ 5d ¹⁰ 6s ² 6p ⁵ -1, 1, 3, 5, 7	222,02 86 Rn* 4f ¹⁴ 5d ¹⁰ 6s ² 6p ⁶ 0, (2)	204,38 81 Tl 4f ¹⁴ 5d ¹⁰ 6s ² 6p ¹ 1, 3	207,2 82 Pb 4f ¹⁴ 5d ¹⁰ 6s ² 6p ² 2, 4	208,98 83 Bi 4f ¹⁴ 5d ¹⁰ 6s ² 6p ³ 3, 5	209,98 84 Po* 4f ¹⁴ 5d ¹⁰ 6s ² 6p ⁴ 2, 4, 6	209,99 85 At* 4f ¹⁴ 5d ¹⁰ 6s ² 6p ⁵ -1, 1, 3, 5, 7	222,02 86 Rn* 4f ¹⁴ 5d ¹⁰ 6s ² 6p ⁶ 0, (2)	P		
7	[Rn]	(233,02) 87 Fr* 7s ¹ +1	(226,03) 88 Ra* 7s ² +2	227,03 89 Ac 6d ¹ 7s ² +3	(261) 104 Rf* 5f ¹⁴ 6d ¹ 7s ² +4	(262) 105 Db* 5f ¹⁴ 6d ² 7s ² +5	(266) 106 Sg* 5f ¹⁴ 6d ³ 7s ² 2, 3, 4, 5, 6	(264) 107 Bh* 5f ¹⁴ 6d ⁴ 7s ² 2, 4, 7	(277) 108 Hs* 5f ¹⁴ 6d ⁵ 7s ² 2, 3, 4, 6, 8	(268) 109 Mt* 5f ¹⁴ 6d ⁶ 7s ² 1, 2, 3, 4, 6	(281) 110 Ds* 5f ¹⁴ 6d ⁷ 7s ² 2, 4	(272) 111 Rg* 5f ¹⁴ 6d ⁸ 7s ² 1, 3	(285) 112 Uub* 5f ¹⁴ 6d ⁹ 7s ² 1, 2	(284) 113 Uut* 5f ¹⁴ 6d ¹⁰ 7s ² 1, 3	(289) 114 Uuq* 5f ¹⁴ 6d ¹⁰ 7s ² 6p ¹ 2, 4	(288) 115 Uup* 5f ¹⁴ 6d ¹⁰ 7s ² 6p ² 3, 5												Q
	Lanthanoide f ¹ ...f ¹⁴			6 [Xe]	140,12 58 Ce 4f ² 6s ² 3, 4	140,91 59 Pr 4f ³ 6s ² 3, 4	144,24 60 Nd 4f ⁴ 6s ² 3	(146,92) 61 Pm* 4f ⁵ 6s ² 3	150,36 62 Sm 4f ⁶ 6s ² 2, 3	151,96 63 Eu 4f ⁷ 6s ² 2, 3	157,25 64 Gd 4f ⁷ 5d ¹ 6s ² 3	158,93 65 Tb 4f ⁹ 6s ² 3, 4	162,50 66 Dy 4f ¹⁰ 6s ² 3	164,93 67 Ho 4f ¹¹ 6s ² 3	167,26 68 Er 4f ¹² 6s ² 3	168,93 69 Tm 4f ¹³ 6s ² 2, 3	173,04 70 Yb 4f ¹⁴ 6s ² 2, 3	174,97 71 Lu 4f ¹⁴ 5d ¹ 6s ² 3									P	
	Actinoide f ¹ ...f ¹⁴			7 [Rn]	(232,04) 90 Th* 6d ² 7s ² 4	(231,04) 91 Pa* 5f ² 6d ¹ 7s ² 4, 5	(238,03) 92 U* 5f ³ 6d ¹ 7s ² 3, 4, 5, 6	(237,05) 93 Np* 5f ⁴ 6d ¹ 7s ² 3, 4, 5, 6	(244,06) 94 Pu* 5f ⁶ 7s ² 3, 4, 5, 6	(243,06) 95 Am* 5f ⁷ 7s ² 3, 4, 5, 6	(247,07) 96 Cm* 5f ⁷ 6d ¹ 7s ² 3, 4	(247,07) 97 Bk* 5f ⁹ 7s ² 3, 4	(251,08) 98 Cf* 5f ¹⁰ 7s ² 3, 4	(252,08) 99 Es* 5f ¹¹ 7s ² 3	(257,18) 100 Fm* 5f ¹² 7s ² 3	(258,10) 101 Md* 5f ¹³ 7s ² 3	(259,10) 102 No* 5f ¹⁴ 7s ² 2, 3	(262,11) 103 Lr* 5f ¹⁴ 6d ¹ 7s ² 3									Q	

Relative Atommasse
 Ordnungszahl **Elementsymbol**
 Elektronenkonfiguration
 Oxidationsstufen
 *radioaktives Element
 (stabilstes Isotop)

- Säurebildner
- amphoter
- Basenbildner
- ◊ Übergangsmetalle