

Periodensystem → Besetzung der Schalen mit Elektronen

1 H 1s ¹ Wasserstoff																	2 He Helium	K n = 1																
3 Li [He] 2s ¹ Lithium	4 Be [He] 2s ² Beryllium																	5 B Bor	6 C Kohlenstoff	7 N Stickstoff	8 O Sauerstoff	9 F Fluor	10 Ne Neon	L n = 2										
11 Na [Ne] 3s ¹ Natrium	12 Mg [Ne] 3s ² Magnesium																	13 Al Aluminium	14 Si Silicium	15 P Phosphor	16 S Schwefel	17 Cl Chlor	18 Ar Argon	M n = 3										
19 K [Ar] 4s ¹ Kalium	20 Ca Calcium	21 Sc Scandium																	22 Ti Titan	23 V Vanadium	24 Cr Chrom	25 Mn Mangan	26 Fe Eisen	27 Co Kobalt	28 Ni Nickel	29 Cu Kupfer	30 Zn Zink	31 Ga Gallium	32 Ge Germanium	33 As Arsen	34 Se Selen	35 Br Brom	36 Kr Krypton	N n = 4
37 Rb Rubidium	38 Sr Strontium	39 Y Yttrium																	40 Zr Zirkonium	41 Nb Niob	42 Mo Molybdän	43 Tc* Technetium	44 Ru Ruthenium	45 Rh Rhodium	46 Pd Palladium	47 Ag Silber	48 Cd Cadmium	49 In Indium	50 Sn Zinn	51 Sb Antimon	52 Te Tellur	53 I Iod	54 Xe Xenon	O n = 5
55 Cs Cäsium	56 Ba Barium	57 La [Xe]5d ¹ 6s ² Lanthan	Ce - Lu	72 Hf [Xe]4f ¹⁴ 5d ² 6s ² Hafnium	73 Ta [Xe]4f ¹⁴ 5d ³ 6s ² Tantal	74 W [Xe]4f ¹⁴ 5d ⁴ 6s ² Wolfram	75 Re [Xe]4f ¹⁴ 5d ⁵ 6s ² Rhenium	76 Os [Xe]4f ¹⁴ 5d ⁶ 6s ² Osmium	77 Ir [Xe]4f ¹⁴ 5d ⁷ 6s ² Iridium	78 Pt [Xe]4f ¹⁴ 5d ⁹ 6s ² Platin	79 Au [Xe]4f ¹⁴ 5d ¹⁰ 6s ² Gold	80 Hg [Xe]4f ¹⁴ 5d ¹⁰ 6s ² Quecksilber	81 Tl [Xe]4f ¹⁴ 5d ¹⁰ 6s ² 6p ¹ Thallium	82 Pb [Xe]4f ¹⁴ 5d ¹⁰ 6s ² 6p ² Blei	83 Bi [Xe]4f ¹⁴ 5d ¹⁰ 6s ² 6p ³ Bismut	84 Po* [Xe]4f ¹⁴ 5d ¹⁰ 6s ² 6p ⁴ Polonium	85 At* [Xe]4f ¹⁴ 5d ¹⁰ 6s ² 6p ⁵ Astat	86 Rn* [Xe]4f ¹⁴ 5d ¹⁰ 6s ² 6p ⁶ Radon								P n = 6								
87 Fr* Francium	88 Ra Radium	89 Ac Actinium	Th - Lr	104 Rf* Rutherfordium	105 Db* Dubnium	106 Sg* Seaborgium	107 Bh* Bohrium	108 Hs* Hassium	109 Mt* Meitnerium	110 Ds* Darmstadtium	111 Rg* Roentgenium	112 Cn* Copernicium	113 Nh* Nihonium	114 Fl* Flerovium	115 Mc* Moscovium	116 Lv* Livermorium	117 Ts* Tenness	118 Og* Oganesson								Q n = 7								
Lanthanoide				58 Ce Cer	59 Pr Praseodym	60 Nd Neodym	61 Pm Promethium	62 Sm Samarium	63 Eu Europium	64 Gd Gadolinium	65 Tb Terbium	66 Dy Dysprosium	67 Ho Holmium	68 Er Erbium	69 Tm Thulium	70 Yb Ytterbium	71 Lu Lutetium																	
Actinoide				90 Th Thorium	91 Pa Protactinium	92 U Uran	93 Np* Neptunium	94 Pu* Plutonium	95 Am* Americium	96 Cm* Curium	97 Bk* Berkelium	98 Cf* Californium	99 Es* Einsteinium	100 Fm* Fermium	101 Md* Mendelevium	102 No* Nobelium	103 Lr* Lawrencium																	

Beilage zu: Schmiermund, Chemie – Wissen für die Feuerwehr