

1	2
I a	II a
1	1.0079 -259.14 -252.87 2.2
H	
	-1, 1 1s ¹
3	6.941 180.54 1347 1.0
Li	Be
He 2 ¹	He 2s ²
11	22.990 97.81 882.9 1.0
Na	Mg
Ne 3s ¹	Ne 3s ²
19	39.098 63.65 77.4 0.9
K	Ca
Ar 4s ¹	Ar 4s ²
37	85.468 38.89 68.8 0.8
Rb	Sr
Kr 5s ¹	Kr 5s ²
55	132.91 28.40 67.8 1.0
Cs	Ba
Xe 6s ¹	Xe 6s ²
87	**223.07 223.07 0.7 0.9
Fr	Ra
Rn 7s ¹	Rn 7s ²

1

45

102.91 3

1966 4

3727 5

1.5 6

2

Rh

1, 2, 3, 4 7

Kr 4d⁸5s¹ 8

- Ordnungszahl
 - Elementsymbol
 - Relative Atommasse
 - Schmelzpunkt
 - Siedepunkt
 - Elektronen negativität (Allred, Rowohr)
 - Oxidationsstufen
 - Elektronenkonfiguration
- Atomic number
 - Element symbol
 - Relative atomic mass
 - Melting point
 - Boiling point
 - Electronegativity (Allred, Rowohr)
 - Oxidation states
 - Electron configuration
- Número atómico
 - Símbolo del elemento
 - Masa atómica relativa
 - Punto de fusión
 - Punto de ebullición
 - Electronegatividad (Allred, Rowohr)
 - Niveles de oxidación
 - Configuración electrónica

- * stabilstes Isotop, most stable isotope, isotopo más estable
- Metalle, metale, metais
- Nichtmetalle, nonmetals, metaloides
- Übergangsmetalle, transition metals, elementos de transición
- Elemente der F-Reihe, elements of the f-series, elementos de la serie f
- Gruppennummerierung, column labelling, número de grupo
- IUPAC, Nomenclature of Inorganic Chemistry, 1989

MERCK

Periodensystem der Elemente
Periodic Table of the Elements
Tabla Periodica de los Elementos

13	14	15	16	17	18
III a	IV a	V a	VI a	VII a	0
5	10.811 2079 2550 2.0	6	12.011 3367 4827 2.5	7	14.007 -209.86 -195.8 3.1
B	C	N	O	F	Ne
He 2s ² 3p ¹	-4, 2, 4 He 2s ² 2p ²	-3, 2, 3, 4 He 2s ² 2p ³	-2, -1 He 2s ² 2p ⁴	-1 He 2s ² 2p ⁵	He 2s ² 2p ⁶
13	26.982 660.37 2431 1.5	14	28.086 1410 112.8 2.55	15	30.974 112.8 280 2.1
Al	Si	P	S	Cl	Ar
Ne 3s ² 3p ¹	Ne 3s ² 3p ²	Ne 3s ² 3p ³	-2, 2, 4, 6 Ne 3s ² 3p ⁴	-1, 1, 3, 5 Ne 3s ² 3p ⁵	Ne 3s ² 3p ⁶
31	69.723 29.78 2403 1.8	32	72.61 73.61 2830 2.2	33	74.922 81.7 613 2.2
Ga	Ge	As	Se	Br	Kr
Ar 3d ¹⁰ 4s ² 4p ¹	Ar 3d ¹⁰ 4s ² 4p ²	Ar 3d ¹⁰ 4s ² 4p ³	Ar 3d ¹⁰ 4s ² 4p ⁴	-1, 1, 3, 5 Ar 3d ¹⁰ 4s ² 4p ⁵	Ar 3d ¹⁰ 4s ² 4p ⁶
49	114.82 156.6 2080 1.5	50	118.71 232.0 2270 1.7	51	121.76 232.0 1750 1.8
In	Sn	Sb	Te	I	Xe
Kr 4d ¹⁰ 5s ² 5p ¹	Kr 4d ¹⁰ 5s ² 5p ²	-3, 3, 5 Kr 4d ¹⁰ 5s ² 5p ³	-2, 4, 6 Kr 4d ¹⁰ 5s ² 5p ⁴	-1, 1, 3, 5 Kr 4d ¹⁰ 5s ² 5p ⁵	Kr 4d ¹⁰ 5s ² 5p ⁶
81	204.38 303.5 1457 1.4	82	207.2 372.5 1740 1.6	83	208.98 271.3 1507 1.7
Tl	Pb	Bi	Po	At	Rn
Xe 4f ¹⁴ 5d ¹⁰ 6s ² 6p ¹	Xe 4f ¹⁴ 5d ¹⁰ 6s ² 6p ²	Xe 4f ¹⁴ 5d ¹⁰ 6s ² 6p ³	Xe 4f ¹⁴ 5d ¹⁰ 6s ² 6p ⁴	-1, 1, 3, 5 Xe 4f ¹⁴ 5d ¹⁰ 6s ² 6p ⁵	Xe 4f ¹⁴ 5d ¹⁰ 6s ² 6p ⁶

Rf Rutherfordium ** IUPAC Empfehlungen 1997
Db Dubnium IUPAC Recommendations 1997
Sg Seaborgium IUPAC Recomendaciones 1997
Bh Bohrium
Hs Hassium
Mt Meitnerium

Lanthaniden Lanthanides Lantánidos	58	140.12 3426 1.1	59	140.91 931 3512 1.1	60	144.24 1021 3068 1.1	61	**146.92 1021 2460 1.1	62	150.36 1077 1791 1.1	63	151.96 1077 1597 1.1	64	157.25 1313 3266 1.1	65	158.93 1356 3123 1.1	66	162.50 1412 2562 1.1	67	164.93 1474 2695 1.1	68	167.26 1497 2900 1.1	69	168.93 1545 1947 1.1	70	173.04 1679 1194 1.1	71	174.97 1663 3395 1.1
	Ce	Pr	Nd	Pm	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu														
	3, 4 Xe 4f ¹⁴ 6s ²	3, 4 Xe 4f ¹⁴ 6s ²	3 Xe 4f ¹⁴ 6s ²	3 Xe 4f ¹⁴ 6s ²	2, 3 Xe 4f ¹⁴ 6s ²	2, 3 Xe 4f ¹⁴ 6s ²	3 Xe 4f ¹⁴ 6s ²	3, 4 Xe 4f ¹⁴ 6s ²	3 Xe 4f ¹⁴ 6s ²	3, 4 Xe 4f ¹⁴ 6s ²	3 Xe 4f ¹⁴ 6s ²	2, 3 Xe 4f ¹⁴ 6s ²	2, 3 Xe 4f ¹⁴ 6s ²	3 Xe 4f ¹⁴ 6s ²														
Actiniden Actinides Actínidos	90	**232.04 1750 4790 1.1	91	**231.04 1600 1132 1.1	92	**238.03 1192 3818 1.2	93	**237.05 640 3902 1.2	94	**244.06 641 3232 1.2	95	**243.06 994 2607 1.2	96	**247.07 1340 2407 1.2	97	**247.07 1340 2407 1.2	98	**251.08 1412 2562 1.2	99	**252.08 1474 2695 1.2	100	**258.10 1545 1947 1.2	101	**258.10 1545 1947 1.2	102	**258.10 1545 1947 1.2	103	**262.11 1663 3395 1.2
	Th	Pa	U	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No	Lr														
	4 Rn 6d ⁷ 7s ²	4, 5 Rn 5f ⁶ 6d ¹ 7s ²	3, 4, 5, 6 Rn 5f ⁶ 6d ¹ 7s ²	3, 4, 5, 6 Rn 5f ⁶ 6d ¹ 7s ²	3, 4, 5, 6 Rn 5f ⁶ 6d ¹ 7s ²	3, 4, 5, 6 Rn 5f ⁶ 6d ¹ 7s ²	3, 4 Rn 5f ⁶ 6d ¹ 7s ²	3, 4 Rn 5f ⁶ 6d ¹ 7s ²	3, 4 Rn 5f ⁶ 6d ¹ 7s ²	3, 4 Rn 5f ⁶ 6d ¹ 7s ²	3 Rn 5f ⁶ 6d ¹ 7s ²	3 Rn 5f ⁶ 6d ¹ 7s ²	3 Rn 5f ⁶ 6d ¹ 7s ²	3 Rn 5f ⁶ 6d ¹ 7s ²														