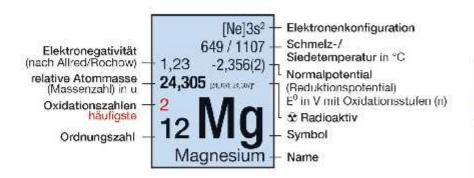
## IA 2597-253 2.20 0.0000 1,008 ..... 800,1 1.-1 Wasserstof [He]24 1278 / 2470 THE 25 181 / 1347 3,040(1) 6,94 ........ 9,0122 Be Lithium 1.23 -2,358(2) -2,713(1) 3 22,990 24,305 ..... Na 12 Mg Magnesium 839 / 1484 1.04 -2.84(2) -2.925(1) 39,098 40,078 Kalium Calcium 769 / 1384 -2.924(1) -2.89(2) 85,468 87,62 Sr Strontium **Bubidium** 28 / 678 725 / 1696 -2,923(1) 132,91 Cs 56 Ba [An]75 27 / 677 70071140 -2,9(1) 0.97 -2,916(2) 223,02 025 40 226,03 250 56

## Periodensystem der Elemente



VIB

1.56 -0,913(2)

51,996

[A]3d48 690 / 2640

Chrom

Kr[4d%8

2617 / 4825

Molybdän

(Xe141 \*5d\*6s\*

941079657

1,40 -0,199(4)

[Rn]51°65'75'

1,30 -0.20(3) 95,95

VII B

[Ar]3c54e4

1244 / 2032

Mangan

[Kr]4c65e1

96,906 pt 4 101,07

2172 / 4877

Technetium

Xel4fir5cf6s7

1,46 0,22(4)

[Rn]5["6c"78"

3180 / 5630

1,60 -1,180(2)

54,938

VIII

1,64 -0,440(2)

[Kr]4df5st

2310 / 3900

3354 / 5027

1,62 0,687(4)

[Rn]5146d787

269,13 per to 270,13 per to 270,13 per to 270,13 per to 278,16 per to 281,17 per to 281,17 per to

190,23

55,845

VIII

1,70 -0,277(2)

1666 / 3730

2410 / 4530

1,55 1,156(3)

192,22

58,933

VB

Myadman

890 / 3378

Vanadium

[Kri4d'5s1

2468 / 4928

1.23 -1.099(3)

[Xe]41-15d\*6s8

[Rn[5]\*\*6d\*/52

1,33 -0,812(5)

2996 / 5425

1,45 -1,185(2)

5,4.3,2.0

50,942

92,906

IVB

47,867

91,224

[Ar 3d24s2

-1.63(2)

Ttan

JK/4d25s4

-1,85(4)

1852 / 4377

Zircon um

[Xe]41"5d"6s"

[Rn]5f\*6d\*7s\*

1.23 -1.70(4)

2227 / 4602

1658/3282

COM 1000	enschaft	S Bor	b Ko	
A Laboratory	= künstlich ndasbedingingen	[Nej0s40p] 866 / 2467 1,47 - 1,676(3) 26,982	1.74 28,08	
1	12	13 AI	4.4 14	
B 67/25/1-48* 83 / 25/96 0,340(2) Cu	(Ar)36°0482 420.7937 1.666 -6,763(2) 65,38	Aluminium   367/2463 pt   367/2463   69,723   69,723   31   Ga	[/r] 2.02 72,630 4 32	
Kupfer (r)4d1581 82 / 2183 6,789(1) Ag	Zink [Kr]4d-9562 321 / 785 1.46C,403(2) 112,41 2 48 Cd	(Kr)4d <sup>11</sup> 5s <sup>2</sup> 5p <sup>1</sup> 157 / 2080 19 -0.3338(3) 114,82 3 49 Indiger	Ger [6] 2: 1,72 118,71 4,2 50	
Silber (154/581 64/2808 1.69(p) Au Gold	Cadmium  [Xa)4f*456*888* -39:357 1,44 (-,850[2) 200,59 2,1 H Q Quecksilber	(Xa)4fP5cf16a*60 308 / 145/ 344 -0,336(1) 204,38	1.55 207,2 4,2 82	
Meditzer Rg genium	[Bn]SF46d*7s*	#####################################	(Bh)sr** 289,19 114	

							5.50 4,0028
	E&	55: 5		100	5		2 He
ele	bengruppen- mente (Metalle) algase	Hej2s/2pl 	[Fe]28-2.2 3750 G/4830 2.50 0.208(4) 12,011 pages 4,2,-4	[He]2s-2pr -2107-196 3,07 1,45(3) 14,007 5,4,3,2,-8	[He]25-2pt -2187-133 3,50 1,220(7) 15,999 no sor -2,-1	[hej3x2p2 2207-189 4.10 3,053(-1) 16,996 -1	[He]28*2pF -2437-248 4,84 <b>20,180</b>
Eig	enschaft	5 D Bor	6 U Kohlenstoff	7 N Stickstoff	8 U Sauerstoff	9 Fluor	10 IVC
	= künstlich indeshedingungen	[Nej0s/Op/ 866 / 2467 1,47 - 1,676(3) <b>26,982</b>	[Nej3s4034 41272355 1.74 -0.999(4) 28,085	Nej0s-0p* 44 / 281 2,00 -0,502(3) 30,974	[Ne[3s/2pf 1137 445 p 2.44 0,144[-2] 32,06 percent	[Nej3s/3pt -101 / -34 2.83 1,358[-1] 35,45	[Nej38/3p2 -4897-48 3.20 39,948
	12 II B	13 Al	14 Si	5.33 P 15 Phosphor	6,4.2,-2 <b>S</b> 16 Schwefel	75,3,1-1 CI 17 Chlor	18 Ar
(144g1 2595 40(2)	[Ar]36°4682 420.7.937 1.665 -0.763(2) <b>65,38</b>	]3614684p1 3672403 ,82 -0.529(3) <b>69,723</b>	[/r]3d1+4s <sup>2</sup> 4.5 <sup>2</sup> 937 / 2830 2.02 -0,038(4) <b>72,630</b>	[Ar]3d <sup>102</sup> s <sup>2</sup> 4p <sup>8</sup> 817 / 815 subi 2,20 0,249(5) <b>74,922</b>	217 / 635 2.46 -0,40(-2) 78,971	[M/3d <sup>194</sup> 8 <sup>2</sup> 4p <sup>5</sup> -77/99 2,74 1,065(-1) <b>79,904</b> (191,097)	[/v/3d*4e44c= -1577-153 2,84 <b>83,798</b>
u	30 Zn	31 Gallium	32 Ge	33 AS Arsen	34 Se Selen	35 Br	36 Kr Krypton
(155) 2163 99(1)	[(r)4d**56* 321 / 785 1.46 -0,403(2) 112,41	[Kr]46 <sup>10</sup> 58 <sup>2</sup> 50 <sup>2</sup> 157 / 2080 1,49 -0.3338(3) 114,82	[Kr]441 <sup>6</sup> 58 <sup>6</sup> 52 <sup>2</sup> 232 β / 2607 1.72 -0,137(2) 1 <b>18,71</b>	[Kr]4d *5s*bp* 631 or /1635 1,82 0,150(5) 121,76	[Kr]4d 95s2sp4 450 / 990 2,01 -0,69(-2) 127,60	4d**5s*5p* 1147184 221 8,636(-1) 126,90	[Kr]4d*95e*5p* -1127-108 2,40 131,29
g	48 Cd	49 In	50 <b>Sn</b>	5,3,-3 <b>Sb</b> 51 <b>Sb</b> Antimon	52 <b>Te</b>	7,5,1,-1 53   od	54 <b>Xe</b> Xenon
(1568) 2808 (81(1)	[Xe]4f <sup>(4</sup> 5d <sup>4</sup> 6s <sup>2</sup> -39 / 357 1,44	Xe)4fHEdHEe*60 303 / 1457 1,44 -0,336(1) 204,38	[Xe]dfH5d F6sF65F 328 / 1740 1.55 -0.125(2) 207,2	[Xe]4f <sup>H</sup> 5d <sup>H</sup> 5s <sup>2</sup> 50 <sup>2</sup> 271 / 1568 1,67 0.317(2) <b>208,98</b> (全)	[Xe]4f 15d 16s²6p² 254 / 952 1,76 <-1,0(-2) 208,98 pop ♀	[Xe]/1°5d °6s*6p* 3027870 1.90 - 0.25(-1) 209,99 ptq - 5°	Xe 41°5d°6e7ep1 -717-62 2.08 222,02 222 \$
U Bold	80 Hg Quecksilber	3,1 <b>T</b> 81 Thailium	<sup>4,2</sup> Pb 82 Pb	5,3 83 Bi Bismut	84 Po	7,5,3,1,-1 At 85 Astat	86 Rn Radon
1781	[Bn]5fH6d*17s*	[Rn]5/**C0**78*7p*	[Rn]6f*6d*/78*7p*	[Rn]5(*fod**7s*7g*	[En]Sfried Vsf7p*	(Rn)s/166**78*7p*	[3n]5f**8d**/s*/pf
¥	285,18 (285) 55	286,18 (260 - 55	289,19 (se M	289,19 (22) 🚸	293,20 (253) 55	293,21 (35) 10	294,21,334 &
g	112 Cn	113 Nh	114 F	115 MC	116 LV	117 TS	118 Og
ifa, ele	Dalance Dalance	Yolailine?	[Yoldfilles?	Pystaficas*	Notafilias*	Notafites2	Walter for the

IVA

VA

VIA

VII A

VIII A

Lanthanoide



Actinoide

	(Xe)5d*65* 920 / 3469	[Xs]4P6s7 796 / 3443	(Xe)4f*6s* 931 / 3250	[Xe]4ff8s* 1024 / 3074	Xe 4f*6s*  931 / 2730	Xe 4f=6s*   1074 / 1784	[Xe]4f1537 826 / 1439	[Xe]4f*5d*63* 1312 / 3273	(Xa)4°56° 13567 3230		[Xe]4f1'68' 1474 / 2720		[Xe]4f**9a* 1545 / 1947	[Xe]4f*458 819 / 1198	[Xe]41 5d 6s 1663 / 3395
6	1,00 -2,38(3) 138,91	1,08 -1,33(4) 140,12	1,07 -0,26(4) 140,91	1,07 -2,2(2) 144,24	1,07 -2,29(3) 144,91 (4) - \$\frac{1}{2}	150,36	1,01 -2,80(2) 151,96	1,11 -2,28(3) 157,25	1,10 -2,31/31 158,93	1,10 -2,29(3) 162,50	1.10 -2.33(3) 164,93	167,26	1,11 -2.32(3) 168,93	173,05 -2.22(3)	1,14 -2,30(3) 174,97
	57 La	58 Ce	59 Pr	60 Nd	61 Pm	62 Sm	63 Eu	64 Gd	65 Tb	66 DV	67 HO	68 Er	69 Tm	70 Yb	71 LU
	Lanthan	Cor	Prascodym	Neodym	Promothium		Europium				Holmium	Erbium	Thulium	Yttorbium	
	[Rn]6d <sup>1</sup> 7s <sup>2</sup> 1050 / 3200	[Rn]6d27s7 1750 / 4768	[Rn]5f/6d17s7 1845 / 4827	[Rn]5P6d17s* 1132 / 3930	[Rn[5P6d:7s2] 630 / 3902		(Rn)5676 994 / 2007	[Rn]5f*6d*7s* 134073110	[Rn]567s1 990 / 2950		[Rn]5/117s2	(Ra)5f078/	(Rn)50°782	(An)50178	[Rn]5f16d17s1
	1,00 2,13(3)	1,11 1,83(4)	1,14 1,19(5)	1,22 0.836(3)	1,22 1,01(5)	1,22 1,25(4)	×1,2 1 95(2)	×1,2 2,06(3)	~1,2 1,96(3)	×1.2 1,01(3)	=1,2 1,98(3)	=1,2 2,5(Z)	×1,2 2,53(2)	2,6(2)	-2,1(3)
7	227,03 :227 66	232,04	231,04 56	PROGRADO-P TRIPLIA	237,05 (237) 50	DOLLAR OF STREET		ALL VOICE CAREER VIII							262,11 (222) 🛣
	89 AC	an Th	of Pa	92	93 Np	94 PII	95 Am	as Cm	97 BK	as Cf	ag FS	100 Fm	101 Md	102 NO	103 r
	Actinium	Thorlum	Protactinium	Uran		Plutonium	Americium	Durium	Berkelium	Galifornium	Einsteinlum	Fermium	Mendelevium	Nobelium	Lawrencium

Klassifikation

Nichtmetalle

Halometalle

Aggregatzustand"

IB

Edelgase

Metalle

Sb = fest

1.75 -0.257(2)

Nickel

1554 / 3140

1772 / 3827

58,693

106,42

195,08

Br = flüssig

N = gasförmig

III B

1,20 -2,03(3)

44,956

[Argadins4

1541 / 2836

Sc

Scandium

[Kri4d: 584

Yttrium

57 bis 71

89 bis 103

1522 / 3338