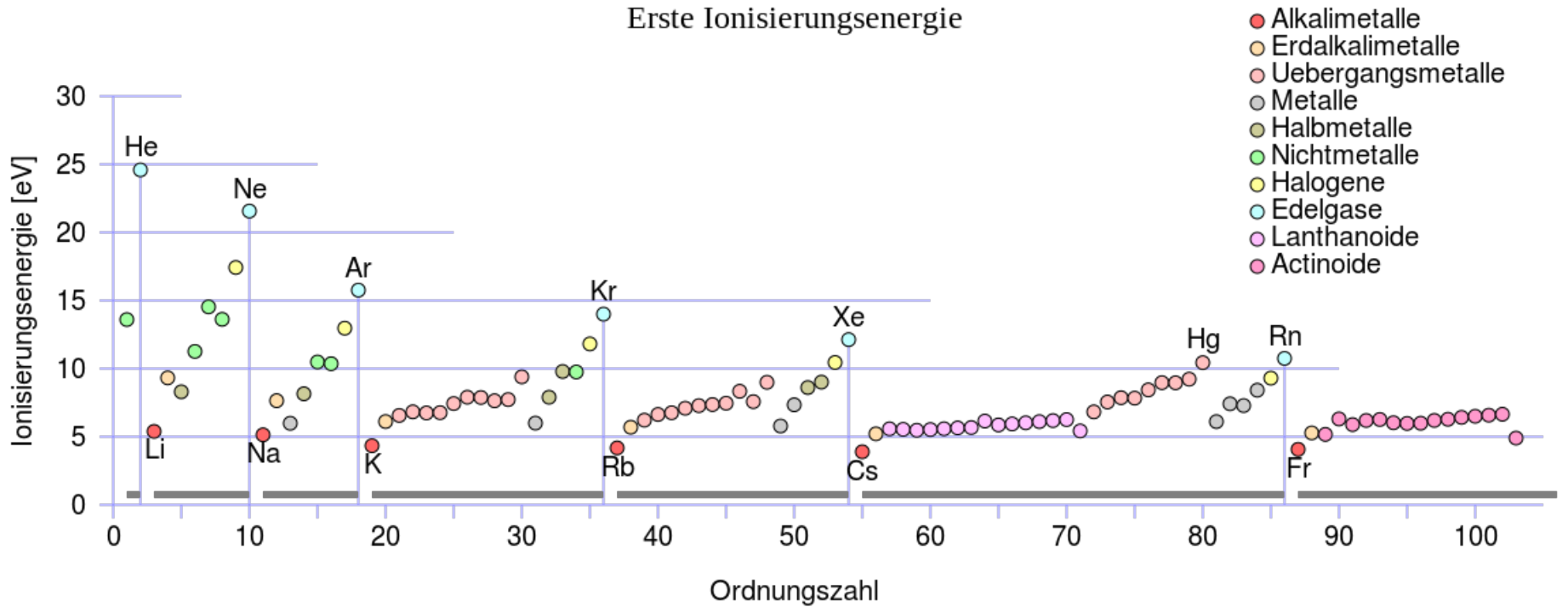


																		<p>Legende</p> <table border="0"> <tr> <td>Ordnungszahl</td> <td>Symbol</td> <td>Ordnungszahl</td> <td>Serie</td> </tr> <tr> <td>Name</td> <td>Atomgewicht</td> <td>Elektronen-konfiguration</td> <td>Elektronegativität</td> </tr> </table>						Ordnungszahl	Symbol	Ordnungszahl	Serie	Name	Atomgewicht	Elektronen-konfiguration	Elektronegativität																																																																																																																																										
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Ge Germanium 72,64 2/8/18/4 1,8</td> <td>33 As Arsen 74,922 2/8/18/5 2,0</td> <td>34 Se Selen 78,96 2/8/18/6 2,4</td> <td>35 Br Brom 79,904 2/8/18/7 2,8</td> <td>36 Kr Krypton 83,798 2/8/18/8</td> </tr> <tr> <td>4</td> <td>19 K Kalium 39,098 2/8/8/1 0,8</td> <td>20 Ca Calcium 40,078 2/8/8/2 1,0</td> <td>21 Sc Scandium 44,956 2/8/9/2 1,3</td> <td>22 Ti Titan 47,867 2/8/10/2 1,5</td> <td>23 V Vanadium 50,942 2/8/11/2 1,6</td> <td>24 Cr Chrom 51,996 2/8/13/1 1,6</td> <td>25 Mn Mangan 54,938 2/8/13/2 1,5</td> <td>26 Fe Eisen 55,845 2/8/14/2 1,8</td> <td>27 Co Cobalt 58,933 2/8/15/2 1,8</td> <td>28 Ni Nickel 58,693 2/8/16/2 1,8</td> <td>29 Cu Kupfer 63,546 2/8/18/1 1,9</td> <td>30 Zn Zink 65,38 2/8/18/2 1,6</td> <td>31 Ga Gallium 69,723 2/8/18/3 1,6</td> <td>32 Ge Germanium 72,64 2/8/18/4 1,8</td> <td>33 As Arsen 74,922 2/8/18/5 2,0</td> <td>34 Se Selen 78,96 2/8/18/6 2,4</td> <td>35 Br Brom 79,904 2/8/18/7 2,8</td> <td>36 Kr Krypton 83,798 2/8/18/8</td> </tr> <tr> <td>5</td> <td>37 Rb 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Ta Tantal 180,95 2/8/18/32/11/2 1,5</td> <td>74 W Wolfram 183,84 2/8/18/32/12/2 1,7</td> <td>75 Re Rhenium 186,21 2/8/18/32/13/2 1,9</td> <td>76 Os Osmium 190,23 2/8/18/32/14/2 2,2</td> <td>77 Ir Iridium 192,22 2/8/18/32/15/2 2,2</td> <td>78 Pt Platin 195,08 2/8/18/32/17/1 2,2</td> <td>79 Au Gold 196,97 2/8/18/32/18/1 2,4</td> <td>80 Hg Quecksilber 200,59 2/8/18/32/18/2 1,9</td> <td>81 Tl Thallium 204,38 2/8/18/32/18/3 1,8</td> <td>82 Pb Blei 207,2 2/8/18/32/18/4 1,8</td> <td>83 Bi Bismut 208,98 2/8/18/32/18/5 1,9</td> <td>84 Po Polonium 209,98 2/8/18/32/18/6 2,0</td> <td>85 At Astat (210) 2/8/18/32/18/7 2,2</td> <td>86 Rn Radon (222) 2/8/18/32/18/8</td> </tr> <tr> <td>7</td> <td>87 Fr Francium (223) 2/8/18/32/18/8/1 0,7</td> <td>88 Ra Radium 226,03 2/8/18/32/18/8/2 0,9</td> <td>89-103 siehe unten</td> <td>104 Rf Rutherfordium (261) 2/8/18/32/32/10/2</td> <td>105 Db Dubnium (262) 2/8/18/32/32/11/2</td> <td>106 Sg Seaborgium (263) 2/8/18/32/32/12/2</td> <td>107 Bh Bohrium (262) 2/8/18/32/32/13/2</td> <td>108 Hs Hassium (265) 2/8/18/32/32/14/2</td> <td>109 Mt Meitnerium (266) 2/8/18/32/32/15/2</td> <td>110 Ds Darmstadtium (269) 2/8/18/32/32/17/1</td> <td>111 Rg Röntgenium (272) 2/8/18/32/32/18/1</td> <td>112 Cn Copernicium (277) 2/8/18/32/32/18/2</td> <td>113 Uut Uuntrium (287) 2/8/18/32/32/18/3</td> <td>114 Fl Flerovium (289) 2/8/18/32/32/18/4</td> <td>115 Uup Ununpentium (288) 2/8/18/32/32/18/5</td> <td>116 Lv Livermorium (289) 2/8/18/32/32/18/6</td> <td>117 Uus Ununseptium (293) 2/8/18/32/32/18/7</td> <td>118 Uuo Ununoctium (294) 2/8/18/32/32/18/8</td> </tr> </table>																		1	2		3										13	14	15	16	17	18	1	1 H Wasserstoff 1,0079 1 2,1												5 B Bor 10,811 2/3 2,0	6 C Kohlenstoff 12,011 2/4 2,5	7 N Stickstoff 14,007 2/5 3,0	8 O Sauerstoff 15,999 2/6 3,5	9 F Fluor 18,988 2/7 4,0	10 Ne Neon 20,180 2/8	2	3 Li Lithium 6,941 2/1 1,0	4 Be Beryllium 9,0122 2/2 1,5											13 Al Aluminium 26,982 2/8/3 1,5	14 Si Silicium 28,086 2/8/4 1,8	15 P Phosphor 30,974 2/8/5 2,1	16 S Schwefel 32,065 2/8/6 2,5	17 Cl Chlor 35,453 2/8/7 3,0	18 Ar Argon 39,948 2/8/8	3	11 Na Natrium 22,990 2/8/1 0,9	12 Mg Magnesium 24,305 2/8/2 1,2	Gruppe										31 Ga Gallium 69,723 2/8/18/3 1,6	32 Ge Germanium 72,64 2/8/18/4 1,8	33 As Arsen 74,922 2/8/18/5 2,0	34 Se Selen 78,96 2/8/18/6 2,4	35 Br Brom 79,904 2/8/18/7 2,8	36 Kr Krypton 83,798 2/8/18/8	4	19 K Kalium 39,098 2/8/8/1 0,8	20 Ca Calcium 40,078 2/8/8/2 1,0	21 Sc Scandium 44,956 2/8/9/2 1,3	22 Ti Titan 47,867 2/8/10/2 1,5	23 V Vanadium 50,942 2/8/11/2 1,6	24 Cr Chrom 51,996 2/8/13/1 1,6	25 Mn Mangan 54,938 2/8/13/2 1,5	26 Fe Eisen 55,845 2/8/14/2 1,8	27 Co Cobalt 58,933 2/8/15/2 1,8	28 Ni Nickel 58,693 2/8/16/2 1,8	29 Cu Kupfer 63,546 2/8/18/1 1,9	30 Zn Zink 65,38 2/8/18/2 1,6	31 Ga Gallium 69,723 2/8/18/3 1,6	32 Ge Germanium 72,64 2/8/18/4 1,8	33 As Arsen 74,922 2/8/18/5 2,0	34 Se Selen 78,96 2/8/18/6 2,4	35 Br Brom 79,904 2/8/18/7 2,8	36 Kr Krypton 83,798 2/8/18/8	5	37 Rb Rubidium 85,468 2/8/18/8/1 0,8	38 Sr Strontium 87,62 2/8/18/8/2 1,0	39 Y Yttrium 88,906 2/8/18/9/2 1,3	40 Zr Zirkonium 91,224 2/8/18/10/2 1,4	41 Nb Niob 92,906 2/8/18/12/1 1,6	42 Mo Molybdän 95,96 2/8/18/13/1 1,8	43 Tc Technetium 98,91 2/8/18/13/2 1,9	44 Ru Ruthenium 101,07 2/8/18/15/1 2,2	45 Rh Rhodium 102,91 2/8/18/16/1 2,2	46 Pd Palladium 106,42 2/8/18/18 2,2	47 Ag Silber 107,87 2/8/18/18/1 1,9	48 Cd Cadmium 112,41 2/8/18/18/2 1,7	49 In Indium 114,82 2/8/18/18/3 1,7	50 Sn Zinn 118,71 2/8/18/18/4 1,8	51 Sb Antimon 121,76 2/8/18/18/5 1,9	52 Te Tellur 127,60 2/8/18/18/6 2,1	53 I Iod 126,90 2/8/18/18/7 2,5	54 Xe Xenon 131,29 2/8/18/18/8	6	55 Cs Cäsium 132,91 2/8/18/18/8/1 0,7	56 Ba Barium 137,33 2/8/18/18/8/2 0,9	57-71 siehe unten	72 Hf Hafnium 178,49 2/8/18/32/10/2 1,3	73 Ta Tantal 180,95 2/8/18/32/11/2 1,5	74 W Wolfram 183,84 2/8/18/32/12/2 1,7	75 Re Rhenium 186,21 2/8/18/32/13/2 1,9	76 Os Osmium 190,23 2/8/18/32/14/2 2,2	77 Ir Iridium 192,22 2/8/18/32/15/2 2,2	78 Pt Platin 195,08 2/8/18/32/17/1 2,2	79 Au Gold 196,97 2/8/18/32/18/1 2,4	80 Hg Quecksilber 200,59 2/8/18/32/18/2 1,9	81 Tl Thallium 204,38 2/8/18/32/18/3 1,8	82 Pb Blei 207,2 2/8/18/32/18/4 1,8	83 Bi Bismut 208,98 2/8/18/32/18/5 1,9	84 Po Polonium 209,98 2/8/18/32/18/6 2,0	85 At Astat (210) 2/8/18/32/18/7 2,2	86 Rn Radon (222) 2/8/18/32/18/8	7	87 Fr Francium (223) 2/8/18/32/18/8/1 0,7	88 Ra Radium 226,03 2/8/18/32/18/8/2 0,9	89-103 siehe unten	104 Rf Rutherfordium (261) 2/8/18/32/32/10/2	105 Db Dubnium (262) 2/8/18/32/32/11/2	106 Sg Seaborgium (263) 2/8/18/32/32/12/2	107 Bh Bohrium (262) 2/8/18/32/32/13/2	108 Hs Hassium (265) 2/8/18/32/32/14/2	109 Mt Meitnerium (266) 2/8/18/32/32/15/2	110 Ds Darmstadtium (269) 2/8/18/32/32/17/1	111 Rg Röntgenium (272) 2/8/18/32/32/18/1	112 Cn Copernicium (277) 2/8/18/32/32/18/2	113 Uut Uuntrium (287) 2/8/18/32/32/18/3	114 Fl Flerovium (289) 2/8/18/32/32/18/4	115 Uup Ununpentium (288) 2/8/18/32/32/18/5	116 Lv Livermorium (289) 2/8/18/32/32/18/6	117 Uus Ununseptium (293) 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Lanthanoide		57 La Lanthan 138,91 2/8/18/18/9/2 1,1	58 Ce Cer 140,12 2/8/18/19/9/2 1,1	59 Pr Praseodym 140,91 2/8/18/21/8/2 1,1	60 Nd Neodym 144,24 2/8/18/22/8/2 1,1	61 Pm Promethium 146,90 2/8/18/23/8/2 1,1	62 Sm Samarium 151,96 2/8/18/24/8/2 1,2	63 Eu Europium 151,96 2/8/18/25/8/2 1,2	64 Gd Gadolinium 157,25 2/8/18/25/9/2 1,2	65 Tb Terbium 158,93 2/8/18/27/8/2 1,2	66 Dy Dysprosium 162,50 2/8/18/28/8/2 1,2	67 Ho Holmium 164,93 2/8/18/29/8/2 1,2	68 Er Erbium 167,26 2/8/18/30/8/2 1,2	69 Tm Thulium 168,93 2/8/18/31/8/2 1,2	70 Yb Ytterbium 173,05 2/8/18/32/8/2 1,2	71 Lu Lutetium 174,97 2/8/18/32/9/2 1,2
Actinoide		89 Ac Actinium (227) 2/8/18/32/18/9/2 1,1	90 Th Thorium 232,04 2/8/18/32/18/10/2 1,3	91 Pa Protaktinium 231,04 2/8/18/32/20/9/2 1,5	92 U Uran 238,03 2/8/18/32/21/9/2 1,4	93 Np Neptunium 237,05 2/8/18/32/22/9/2 1,3	94 Pu Plutonium (244,10) 2/8/18/32/24/8/2 1,3	95 Am Americium (243,10) 2/8/18/32/25/8/2 1,3	96 Cm Curium (247,10) 2/8/18/32/25/9/2 1,3	97 Bk Berkelium (247,10) 2/8/18/32/25/10/2 1,3	98 Cf Californium (251,10) 2/8/18/32/28/8/2 1,3	99 Es Einsteinium (254,10) 2/8/18/32/29/8/2 1,3	100 Fm Fermium (257,10) 2/8/18/32/30/8/2 1,3	101 Md Mendelevium (258) 2/8/18/32/31/8/2 1,3	102 No Nobelium (259) 2/8/18/32/32/8/2 1,3	103 Lr Lawrencium (260) 2/8/18/32/32/9/2 1,3

Erste Ionisierungsenergie



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