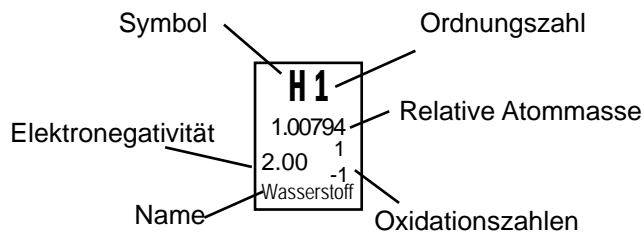


# Prof Mokeur PSE



1 IA																	18 VIIIA							
<b>H 1</b> 1.00794 2.20 <sup>1</sup> Wasserstoff																	<b>He 2</b> 4.002602 - 0 Helium							
2	<b>Li 3</b> 6.941 0.96 <sup>1</sup> Lithium	<b>Be 4</b> 9.012182 1.57 <sup>2</sup> Beryllium																	<b>B 5</b> 10.811 2.04 <sup>3</sup> Bor	<b>C 6</b> 12.0107 2.55 <sup>4</sup> Kohlenstoff	<b>N 7</b> 14.0067 3.04 <sup>5,3</sup> Stickstoff	<b>O 8</b> 15.9994 3.44 <sup>-2</sup> Sauerstoff	<b>F 9</b> 18.998403 3.98 <sup>-1</sup> Fluor	<b>Ne 10</b> 20.1797 - 0 Neon
3	<b>Na 11</b> 22.989769 0.93 <sup>1</sup> Natrium	<b>Mg 12</b> 24.3050 1.31 <sup>2</sup> Magnesium	3 <b>IIIB</b>	4 <b>IVB</b>	5 <b>VB</b>	6 <b>VIB</b>	7 <b>VII B</b>	8 <b>VIII</b>	9	10	11 <b>IB</b>	12 <b>IIB</b>	<b>Al 13</b> 26.981539 1.61 <sup>3</sup> Aluminium	<b>Si 14</b> 28.0855 1.90 <sup>4</sup> Silicium	<b>P 15</b> 30.973762 2.19 <sup>5,3</sup> Phosphor	<b>S 16</b> 32.065 2.58 <sup>6,4,2</sup> Schwefel	<b>Cl 17</b> 35.453 3.16 <sup>-1</sup> Chlor	<b>Ar 18</b> 39.948 - 0 Argon						
4	<b>K 19</b> 39.0983 0.82 <sup>1</sup> Kalium	<b>Ca 20</b> 40.078 1.0 <sup>2</sup> Calcium	<b>Sc 21</b> 44.95592 1.36 <sup>3</sup> Scandium	<b>Ti 22</b> 47.867 1.54 <sup>4</sup> Titan	<b>V 23</b> 50.9415 1.63 <sup>5</sup> Vanadium	<b>Cr 24</b> 51.9961 1.66 <sup>6,3</sup> Chrom	<b>Mn 25</b> 54.938045 1.55 <sup>7,4,2</sup> Mangan	<b>Fe 26</b> 55.845 1.83 <sup>3,2</sup> Eisen	<b>Co 27</b> 58.933195 1.88 <sup>3,2</sup> Cobalt	<b>Ni 28</b> 58.6934 1.91 <sup>2</sup> Nickel	<b>Cu 29</b> 63.546 1.9 <sup>2,1</sup> Kupfer	<b>Zn 30</b> 65.38 1.65 <sup>2</sup> Zink	<b>Ga 31</b> 69.723 1.81 <sup>3</sup> Gallium	<b>Ge 32</b> 72.64 2.01 <sup>4,2</sup> Germanium	<b>As 33</b> 74.92160 2.18 <sup>5,3</sup> Arsen	<b>Se 34</b> 78.96 2.55 <sup>6,4,2</sup> Selen	<b>Br 35</b> 79.904 2.96 <sup>5,3,1</sup> Brom	<b>Kr 36</b> 83.798 3.00 <sup>0,2</sup> Krypton						
5	<b>Rb 37</b> 85.4678 0.82 <sup>1</sup> Rubidium	<b>Sr 38</b> 87.62 0.95 <sup>2</sup> Strontium	<b>Y 39</b> 88.90585 1.22 <sup>3</sup> Yttrium	<b>Zr 40</b> 91.224 1.33 <sup>4</sup> Zirkonium	<b>Nb 41</b> 92.90638 1.6 <sup>5</sup> Niob	<b>Mo 42</b> 95.96 2.16 <sup>6,4</sup> Molybdän	<b>Tc 43</b> 98.9062 1.9 <sup>7,4</sup> Technetium	<b>Ru 44</b> 101.07 2.2 <sup>4,3</sup> Ruthenium	<b>Rh 45</b> 102.90550 2.28 <sup>3</sup> Rhodium	<b>Pd 46</b> 106.42 2.2 <sup>4,2</sup> Palladium	<b>Ag 47</b> 107.8682 1.93 <sup>1</sup> Silber	<b>Cd 48</b> 112.411 1.69 <sup>2</sup> Cadmium	<b>In 49</b> 114.818 1.78 <sup>3</sup> Indium	<b>Sn 50</b> 118.710 1.96 <sup>4,2</sup> Zinn	<b>Sb 51</b> 121.760 2.05 <sup>5,3</sup> Antimon	<b>Te 52</b> 127.60 2.1 <sup>6,4,2</sup> Tellur	<b>I 53</b> 126.90447 2.7 <sup>7,5,3,1</sup> Iod	<b>Xe 54</b> 131.293 2.60 <sup>0,6</sup> Xenon						
6	<b>Cs 55</b> 132.90545 0.79 <sup>1</sup> Cäsium	<b>Ba 56</b> 137.327 0.89 <sup>2</sup> Barium	<b>La 57</b> 138.90547 1.1 <sup>3</sup> Lanthan	<b>Hf 72</b> 178.49 1.3 <sup>4</sup> Hafnium	<b>Ta 73</b> 180.94788 1.5 <sup>5</sup> Tantal	<b>W 74</b> 183.84 2.36 <sup>6,4</sup> Wolfram	<b>Re 75</b> 186.207 1.9 <sup>4</sup> Rhenium	<b>Os 76</b> 190.23 2.2 <sup>4</sup> Osmium	<b>Ir 77</b> 192.22 2.2 <sup>4,3</sup> Iridium	<b>Pt 78</b> 195.084 2.28 <sup>4+</sup> Platin	<b>Au 79</b> 196.96657 2.54 <sup>3+</sup> Gold	<b>Hg 80</b> 200.59 2.0 <sup>2+</sup> Quecksilber	<b>Tl 81</b> 204.3833 1.62 <sup>1+</sup> Thallium	<b>Pb 82</b> 207.2 2.33 <sup>4+</sup> Bley	<b>Bi 83</b> 208.98040 2.02 <sup>3+</sup> Bismut	<b>Po 84</b> 208.9824 2.0 <sup>2+</sup> Polonium	<b>At 85</b> 209.9871 2.2 <sup>-1</sup> Astat	<b>Rn 86</b> 222.0176 2.2 <sup>0</sup> Radon						
7	<b>Fr 87</b> 223.0197 0.7 <sup>1</sup> Francium	<b>Ra 88</b> 226.0254 0.9 <sup>2</sup> Radium	<b>Ac 89</b> 227.0278 1.1 <sup>3</sup> Actinium	<b>Rf 104</b> 261.11 - - Rutherfordium	<b>Db 105</b> 262.11 - - Dubnium	<b>Sg 106</b> 263.12 - - Seaborgium	<b>Bh 107</b> 262.12 - - Bohrium	<b>Hs 108</b> 264 - - Hassium	<b>Mt 109</b> 266.1378 - - Meitnerium	<b>Ds 110</b> 269 - - Darmstadtium	<b>Rg 111</b> 272 - - Roentgenium	<b>Cn 112</b> 277 - - Copernicium	<b>Uut 113</b> 284 - - Ununtrium	<b>Fl 114</b> 289 - - Flerovium	<b>Uup 115</b> 288 - - Ununpentium	<b>Lv 116</b> 292 - - Livermorium	<b>Uus 117</b> 293 - - Ununseptium	<b>Uuo 118</b> 294 - - Ununoctium						

Lanthanoide	6	<b>Ce 58</b> 140.116 1.12 <sup>4,3</sup> Cer	<b>Pr 59</b> 140.90765 1.13 <sup>3</sup> Praseodym	<b>Nd 60</b> 144.242 1.14 <sup>3</sup> Neodym	<b>Pm 61</b> 144.9127 1.13 <sup>3</sup> Promethium	<b>Sm 62</b> 150.36 1.17 <sup>3</sup> Samarium	<b>Eu 63</b> 151.964 1.2 <sup>3,2</sup> Europium	<b>Gd 64</b> 157.25 1.2 <sup>3</sup> Gadolinium	<b>Tb 65</b> 158.92535 1.1 <sup>3</sup> Terbium	<b>Dy 66</b> 162.500 1.22 <sup>3</sup> Dysprosium	<b>Ho 67</b> 164.93032 1.23 <sup>3</sup> Holmium	<b>Er 68</b> 167.259 1.24 <sup>3</sup> Erbium	<b>Tm 69</b> 168.93421 1.25 <sup>3</sup> Thulium	<b>Yb 70</b> 173.054 1.1 <sup>3</sup> Ytterbium	<b>Lu 71</b> 174.9668 1.27 <sup>3</sup> Lutetium
Actinoide	7	<b>Th 90</b> 232.03806 1.3 <sup>4</sup> Thorium	<b>Pa 91</b> 231.03588 1.5 <sup>5</sup> Protactinium	<b>U 92</b> 238.02891 1.38 <sup>6</sup> Uran	<b>Np 93</b> 237.0482 1.36 <sup>5</sup> Neptunium	<b>Pu 94</b> 244.0642 1.28 <sup>4</sup> Plutonium	<b>Am 95</b> 243.0614 1.13 <sup>3</sup> Americium	<b>Cm 96</b> 247 1.28 <sup>3</sup> Curium	<b>Bk 97</b> 247.0703 1.3 <sup>3</sup> Berkelium	<b>Cf 98</b> 251.0796 1.3 <sup>3</sup> Californium	<b>Es 99</b> 252.03 1.3 <sup>3</sup> Einsteinium	<b>Fm 100</b> 257.0951 1.3 <sup>3</sup> Fermium	<b>Md 101</b> 258.01 1.3 <sup>3</sup> Mendelevium	<b>No 102</b> 259.1009 1.3 <sup>3</sup> Nobelium	<b>Lr 103</b> 260.1053 1.3 <sup>3</sup> Lawrencium