

# Prof Mokeur's Periodic Table

1 IA	Prof Mokeur's Periodic Table																18 VIII																						
<b>H 1</b> 1.00794 2.1 1 Hydrogen																	<b>He 2</b> 4.002602 - 0 Helium																						
2 IIA	<div style="display: flex; justify-content: space-between;"> <div style="width: 20%;"> <p>Symbol</p> <p>Atomic number</p> <p>Electronegativity</p> <p>Name</p> </div> <div style="width: 20%;"> <p><b>H 1</b></p> <p>1.00794</p> <p>2.1 1</p> <p>Hydrogen</p> <p>Relative atomic mass</p> <p>Oxidation number</p> </div> <div style="width: 40%; border: 1px solid black; padding: 5px;"> <p style="text-align: center;"><b>Legend</b></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; vertical-align: top;"> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: yellow; border: 1px solid black; margin-right: 5px;"></span> Alkali Metals</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: orange; border: 1px solid black; margin-right: 5px;"></span> Alkaline Earth Metals</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: pink; border: 1px solid black; margin-right: 5px;"></span> Transition Metals</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: purple; border: 1px solid black; margin-right: 5px;"></span> Metals</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: lightgrey; border: 1px solid black; margin-right: 5px;"></span> Lanthanoids and actinoids</li> </ul> </td> <td style="width: 50%; vertical-align: top;"> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: lightblue; border: 1px solid black; margin-right: 5px;"></span> Metalloids</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: cyan; border: 1px solid black; margin-right: 5px;"></span> Nonmetals</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: lightgreen; border: 1px solid black; margin-right: 5px;"></span> Halogenes</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: limegreen; border: 1px solid black; margin-right: 5px;"></span> Noble Gases</li> </ul> </td> </tr> </table> </div> </div>																<ul style="list-style-type: none"> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: yellow; border: 1px solid black; margin-right: 5px;"></span> Alkali Metals</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: orange; border: 1px solid black; margin-right: 5px;"></span> Alkaline Earth Metals</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: pink; border: 1px solid black; margin-right: 5px;"></span> Transition Metals</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: purple; border: 1px solid black; margin-right: 5px;"></span> Metals</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: lightgrey; border: 1px solid black; margin-right: 5px;"></span> Lanthanoids and actinoids</li> </ul>	<ul style="list-style-type: none"> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: lightblue; border: 1px solid black; margin-right: 5px;"></span> Metalloids</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: cyan; border: 1px solid black; margin-right: 5px;"></span> Nonmetals</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: lightgreen; border: 1px solid black; margin-right: 5px;"></span> Halogenes</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: limegreen; border: 1px solid black; margin-right: 5px;"></span> Noble Gases</li> </ul>	13 IIIA	14 IVA	15 VA	16 VIA	17 VIIA																
<ul style="list-style-type: none"> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: yellow; border: 1px solid black; margin-right: 5px;"></span> Alkali Metals</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: orange; border: 1px solid black; margin-right: 5px;"></span> Alkaline Earth Metals</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: pink; border: 1px solid black; margin-right: 5px;"></span> Transition Metals</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: purple; border: 1px solid black; margin-right: 5px;"></span> Metals</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: lightgrey; border: 1px solid black; margin-right: 5px;"></span> Lanthanoids and actinoids</li> </ul>	<ul style="list-style-type: none"> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: lightblue; border: 1px solid black; margin-right: 5px;"></span> Metalloids</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: cyan; border: 1px solid black; margin-right: 5px;"></span> Nonmetals</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: lightgreen; border: 1px solid black; margin-right: 5px;"></span> Halogenes</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: limegreen; border: 1px solid black; margin-right: 5px;"></span> Noble Gases</li> </ul>																																						
<b>Li 3</b> 6.941 1.0 1 Lithium	<b>Be 4</b> 9.012182 1.5 2 Beryllium																	<b>B 5</b> 10.811 2.0 3 Boron	<b>C 6</b> 12.0107 2.5 4 Carbon	<b>N 7</b> 14.0067 3.0 5,3 Nitrogen	<b>O 8</b> 15.9994 3.5 -2 Oxygen	<b>F 9</b> 18.998403 4.0 -1 Fluorine	<b>Ne 10</b> 20.1797 - 0 Neon																
3 IIIB	4 IVB	5 VB	6 VIB	7 VIIB	8 VIII					11 IB	12 IIB	3 IIIB	4 IVB	5 VA	6 VIA	7 VIIA	18 VIII																						
<b>Na 11</b> 22.989769 0.9 1 Sodium	<b>Mg 12</b> 24.3050 1.2 2 Magnesium																	<b>Al 13</b> 26.981539 1.5 3 Aluminum	<b>Si 14</b> 28.0855 1.8 4 Silicon	<b>P 15</b> 30.973762 2.1 5,3 Phosphorus	<b>S 16</b> 32.065 1.8 6,4,2 Sulfur	<b>Cl 17</b> 35.453 3.0 7,5,3,1 Chlorine	<b>Ar 18</b> 39.948 - 0 Argon																
4 IIIB	4 IVB	5 VB	6 VIB	7 VIIB	8 VIII					11 IB	12 IIB	13 IIIB	14 IVB	15 VA	16 VIA	17 VIIA	18 VIII																						
<b>K 19</b> 39.0983 0.8 1 Potassium	<b>Ca 20</b> 40.078 1.0 2 Calcium	<b>Sc 21</b> 44.95592 1.3 3 Scandium	<b>Ti 22</b> 47.867 1.5 4 Titanium	<b>V 23</b> 50.9415 1.6 5 Vanadium	<b>Cr 24</b> 51.9961 1.6 6,3 Chromium	<b>Mn 25</b> 54.938045 1.5 7,4,2 Manganese	<b>Fe 26</b> 55.845 1.8 3,2 Iron	<b>Co 27</b> 58.933195 1.8 3,2 Cobalt	<b>Ni 28</b> 58.6934 1.8 2 Nickel	<b>Cu 29</b> 63.546 1.9 2,1 Copper	<b>Zn 30</b> 65.38 1.6 2 Zinc	<b>Ga 31</b> 69.723 1.6 3 Gallium	<b>Ge 32</b> 72.64 1.6 4,2 Germanium	<b>As 33</b> 74.92160 2.0 5,3 Arsenic	<b>Se 34</b> 78.96 2.4 6,4,2 Selenium	<b>Br 35</b> 79.904 2.8 5,3,1 Bromine	<b>Kr 36</b> 83.798 - 0,2 Krypton																						
5 IIIB	4 IVB	5 VB	6 VIB	7 VIIB	8 VIII					11 IB	12 IIB	13 IIIB	14 IVB	15 VA	16 VIA	17 VIIA	18 VIII																						
<b>Rb 37</b> 85.4678 0.8 1 Rubidium	<b>Sr 38</b> 87.62 1.0 2 Strontium	<b>Y 39</b> 88.90585 1.3 3 Yttrium	<b>Zr 40</b> 91.224 1.4 4 Zirconium	<b>Nb 41</b> 92.90638 1.6 5 Niobium	<b>Mo 42</b> 95.96 1.8 6,4 Molybdenum	<b>Tc 43</b> 98.9062 1.9 7,4 Technetium	<b>Ru 44</b> 101.07 2.2 4,3 Ruthenium	<b>Rh 45</b> 102.90550 2.2 3 Rhodium	<b>Pd 46</b> 106.42 2.2 4,2 Palladium	<b>Ag 47</b> 107.8682 1.9 1 Silver	<b>Cd 48</b> 112.411 1.7 2 Cadmium	<b>In 49</b> 114.818 1.7 3 Indium	<b>Sn 50</b> 118.710 1.8 4,2 Tin	<b>Sb 51</b> 121.760 1.9 5,3 Antimony	<b>Te 52</b> 127.60 2.1 6,4,2 Tellurium	<b>I 53</b> 126.90447 2.5 7,5,3,1 Iodine	<b>Xe 54</b> 131.293 - 0,6,4,2 Xenon																						
6 IIIB	4 IVB	5 VB	6 VIB	7 VIIB	8 VIII					11 IB	12 IIB	13 IIIB	14 IVB	15 VA	16 VIA	17 VIIA	18 VIII																						
<b>Cs 55</b> 132.90545 0.7 1 Cesium	<b>Ba 56</b> 137.327 0.9 2 Barium	<b>La 57</b> 138.94788 1.1 3 Lanthanum	<b>Hf 72</b> 178.49 1.3 4 Hafnium	<b>Ta 73</b> 180.9479 1.5 5 Tantalum	<b>W 74</b> 183.84 1.7 6,4 Tungsten	<b>Re 75</b> 186.207 1.9 4 Rhenium	<b>Os 76</b> 190.23 2.2 4 Osmium	<b>Ir 77</b> 192.217 2.2 4,3 Iridium	<b>Pt 78</b> 195.084 2.2 4,2 Platinum	<b>Au 79</b> 196.96657 2.4 3 Gold	<b>Hg 80</b> 200.59 1.9 2,1 Mercury	<b>Tl 81</b> 204.3833 1.8 3,1 Thallium	<b>Pb 82</b> 207.2 1.8 4,2 Lead	<b>Bi 83</b> 208.98040 1.9 3 Bismuth	<b>Po 84</b> 208.9824 2.0 4,2 Polonium	<b>At 85</b> 209.9871 2.2 -1 Astatine	<b>Rn 86</b> 222.0176 - 0 Radon																						
7 IIIB	4 IVB	5 VB	6 VIB	7 VIIB	8 VIII					11 IB	12 IIB	13 IIIB	14 IVB	15 VA	16 VIA	17 VIIA	18 VIII																						
<b>Fr 87</b> 223.0197 0.7 1 Francium	<b>Ra 88</b> 226.0254 0.9 2 Radium	<b>Ac 89</b> 227.0278 1.1 3 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>Uuq 114</b> 289 - - Ununquadium	<b>Uup 115</b> 288 - - Ununpentium	<b>Uuh 116</b> 292 - - Ununhexium	<b>Uus 117</b> - - - Ununseptium	<b>Uuo 118</b> 294 - - Ununoctium																						

Lanthanoids	6	<b>Ce 58</b> 140.116 1.1 4,3 Cerium	<b>Pr 59</b> 140.90765 1.1 3 Praseodymium	<b>Nd 60</b> 144.242 1.1 3 Neodymium	<b>Pm 61</b> 144.9127 1.1 3 Promethium	<b>Sm 62</b> 150.36 1.2 3 Samarium	<b>Eu 63</b> 151.964 1.2 3,2 Europium	<b>Gd 64</b> 157.25 1.2 3 Gadolinium	<b>Tb 65</b> 158.92535 1.2 3 Terbium	<b>Dy 66</b> 162.500 1.2 3 Dysprosium	<b>Ho 67</b> 164.93032 1.2 3 Holmium	<b>Er 68</b> 167.259 1.2 3 Erbium	<b>Tm 69</b> 168.93421 1.2 3 Thulium	<b>Yb 70</b> 173.054 1.1 3 Ytterbium	<b>Lu 71</b> 174.9668 1.2 3 Lutetium
	7	<b>Th 90</b> 232.0381 1.3 4 Thorium	<b>Pa 91</b> 231.03588 1.5 5 Protactinium	<b>U 92</b> 238.02891 1.4 6 Uranium	<b>Np 93</b> 237.0482 1.3 5 Neptunium	<b>Pu 94</b> 244.0642 1.3 4 Plutonium	<b>Am 95</b> 243.0614 1.3 3 Americium	<b>Cm 96</b> 247 1.3 3 Curium	<b>Bk 97</b> 247.0703 1.3 3 Berkelium	<b>Cf 98</b> 251.0796 1.3 3 Californium	<b>Es 99</b> 252.03 1.3 3 Einsteinium	<b>Fm 100</b> 257.0951 1.3 3 Fermium	<b>Md 101</b> 258.01 1.3 3 Mendelevium	<b>No 102</b> 259.1009 1.3 3 Nobelium	<b>Lr 103</b> 260.1053 - 3 Lawrencium

Atomic masses are measured relative to the carbon isotope <sup>12</sup>C (IUPAC - 2007).