

# Periodic Table of the Elements

1A																	8A					
1																	18					
1	<b>1</b> H Hydrogen 1.008															<b>2</b> He Helium 4.003						
2	<b>3</b> Li Lithium 6.941	<b>4</b> Be Beryllium 9.012															<b>5</b> B Boron 10.811	<b>6</b> C Carbon 12.011	<b>7</b> N Nitrogen 14.007	<b>8</b> O Oxygen 15.999	<b>9</b> F Fluorine 18.998	<b>10</b> Ne Neon 20.18
3	<b>11</b> Na Sodium 22.990	<b>12</b> Mg Magnesium 24.305	3B	4B	5B	6B	7B	8B			1B	2B	<b>13</b> Al Aluminum 26.981	<b>14</b> Si Silicon 28.085	<b>15</b> P Phosphorus 30.974	<b>16</b> S Sulfur 32.065	<b>17</b> Cl Chlorine 35.453	<b>18</b> Ar Argon 39.948				
4	<b>19</b> K Potassium 39.098	<b>20</b> Ca Calcium 40.078	<b>21</b> Sc Scandium 44.956	<b>22</b> Ti Titanium 47.867	<b>23</b> V Vanadium 50.941	<b>24</b> Cr Chromium 51.996	<b>25</b> Mn Manganese 54.938	<b>26</b> Fe Iron 55.847	<b>27</b> Co Cobalt 58.933	<b>28</b> Ni Nickel 58.693	<b>29</b> Cu Copper 63.546	<b>30</b> Zn Zinc 65.39	<b>31</b> Ga Gallium 69.723	<b>32</b> Ge Germanium 72.61	<b>33</b> As Arsenic 74.922	<b>34</b> Se Selenium 78.96	<b>35</b> Br Bromine 79.904	<b>36</b> Kr Krypton 83.80				
5	<b>37</b> Rb Rubidium 85.468	<b>38</b> Sr Strontium 87.62	<b>39</b> Y Yttrium 88.906	<b>40</b> Zr Zirconium 91.224	<b>41</b> Nb Niobium 92.906	<b>42</b> Mo Molybdenum 95.94	<b>43</b> Tc Technetium [98]	<b>44</b> Ru Ruthenium 101.07	<b>45</b> Rh Rhodium 102.905	<b>46</b> Pd Palladium 106.42	<b>47</b> Ag Silver 107.868	<b>48</b> Cd Cadmium 112.411	<b>49</b> In Indium 114.818	<b>50</b> Sn Tin 118.71	<b>51</b> Sb Antimony 121.75	<b>52</b> Te Tellurium 127.60	<b>53</b> I Iodine 126.904	<b>54</b> Xe Xenon 131.293				
6	<b>55</b> Cs Cesium 132.905	<b>56</b> Ba Barium 137.327	<b>57</b> La Lanthanum 138.905	*	<b>72</b> Hf Hafnium 178.49	<b>73</b> Ta Tantalum 180.948	<b>74</b> W Tungsten 183.84	<b>75</b> Re Rhenium 186.207	<b>76</b> Os Osmium 190.23	<b>77</b> Ir Iridium 192.217	<b>78</b> Pt Platinum 195.078	<b>79</b> Au Gold 196.966	<b>80</b> Hg Mercury 200.59	<b>81</b> Tl Thallium 204.383	<b>82</b> Pb Lead 207.2	<b>83</b> Bi Bismuth 208.980	<b>84</b> Po Polonium [208.98]	<b>85</b> At Astatine [209.99]	<b>86</b> Rn Radon [222.02]			
7	<b>87</b> Fr Francium [223.02]	<b>88</b> Ra Radium [226.03]	<b>89</b> Ac Actinium [227.03]	**	<b>104</b> Rf Rutherfordium [261.11]	<b>105</b> Db Dubnium [262.11]	<b>106</b> Sg Seaborgium [266.12]	<b>107</b> Bh Bohrium [264.12]	<b>108</b> Hs Hassium [269.13]	<b>109</b> Mt Meitnerium [268.14]	<b>110</b> Ds Darmstadtium [271.15]	<b>111</b> Rg Roentgenium [272.15]	<b>112</b> Cn Copernicium [277]	<b>113</b> Nh Nihonium [286]	<b>114</b> Fl Flerovium [289]	<b>115</b> Mc Moscovium [289]	<b>116</b> Lv Livermorium [292]	<b>117</b> Ts Tennessine [294]	<b>118</b> Og Oganesson [294]			

*	<b>58</b> Ce Cerium 140.116	<b>59</b> Pr Praseodymium 140.908	<b>60</b> Nd Neodymium 144.24	<b>61</b> Pm Promethium [145]	<b>62</b> Sm Samarium 150.36	<b>63</b> Eu Europium 151.964	<b>64</b> Gd Gadolinium 157.25	<b>65</b> Tb Terbium 158.925	<b>66</b> Dy Dysprosium 162.50	<b>67</b> Ho Holmium 164.93	<b>68</b> Er Erbium 167.259	<b>69</b> Tm Thulium 168.934	<b>70</b> Yb Ytterbium 173.04	<b>71</b> Lu Lutetium 174.967
**	<b>90</b> Th Thorium 232.038	<b>91</b> Pa Protactinium 231.036	<b>92</b> U Uranium 238.029	<b>93</b> Np Neptunium [237.05]	<b>94</b> Pu Plutonium [244.06]	<b>95</b> Am Americium [243.06]	<b>96</b> Cm Curium [247.07]	<b>97</b> Bk Berkelium [247.07]	<b>98</b> Cf Californium [251.08]	<b>99</b> Es Einsteinium [252.08]	<b>100</b> Fm Fermium [257.10]	<b>101</b> Md Mendelevium [258.10]	<b>102</b> No Nobelium [259.10]	<b>103</b> Lr Lawrencium [262.11]