

1																	Group 18	
1	<b>1</b> <b>H</b> Hydrogen 1.007 94															<b>2</b> <b>He</b> Helium 4.002 602		
2	Group 1	Group 2											Group 13	Group 14	Group 15	Group 16	Group 17	
2	<b>3</b> <b>Li</b> Lithium 6.941	<b>4</b> <b>Be</b> Beryllium 9.012 182											<b>5</b> <b>B</b> Boron 10.811	<b>6</b> <b>C</b> Carbon 12.011	<b>7</b> <b>N</b> Nitrogen 14.006 74	<b>8</b> <b>O</b> Oxygen 15.999 4	<b>9</b> <b>F</b> Fluorine 18.998 4032	<b>10</b> <b>Ne</b> Neon 20.1797
3	<b>11</b> <b>Na</b> Sodium 22.989 770	<b>12</b> <b>Mg</b> Magnesium 24.3050	Group 3	Group 4	Group 5	Group 6	Group 7	Group 8	Group 9	Group 10	Group 11	Group 12	<b>13</b> <b>Al</b> Aluminum 26.981 538	<b>14</b> <b>Si</b> Silicon 28.0855	<b>15</b> <b>P</b> Phosphorus 30.973 761	<b>16</b> <b>S</b> Sulfur 32.066	<b>17</b> <b>Cl</b> Chlorine 35.4527	<b>18</b> <b>Ar</b> Argon 39.948
4	<b>19</b> <b>K</b> Potassium 39.0983	<b>20</b> <b>Ca</b> Calcium 40.078	<b>21</b> <b>Sc</b> Scandium 44.955 910	<b>22</b> <b>Ti</b> Titanium 47.867	<b>23</b> <b>V</b> Vanadium 50.9415	<b>24</b> <b>Cr</b> Chromium 51.9961	<b>25</b> <b>Mn</b> Manganese 54.938 05	<b>26</b> <b>Fe</b> Iron 55.845	<b>27</b> <b>Co</b> Cobalt 58.933 20	<b>28</b> <b>Ni</b> Nickel 58.6934	<b>29</b> <b>Cu</b> Copper 63.546	<b>30</b> <b>Zn</b> Zinc 65.39	<b>31</b> <b>Ga</b> Gallium 69.723	<b>32</b> <b>Ge</b> Germanium 72.61	<b>33</b> <b>As</b> Arsenic 74.921 60	<b>34</b> <b>Se</b> Selenium 78.96	<b>35</b> <b>Br</b> Bromine 79.904	<b>36</b> <b>Kr</b> Krypton 83.80
5	<b>37</b> <b>Rb</b> Rubidium 85.4678	<b>38</b> <b>Sr</b> Strontium 87.62	<b>39</b> <b>Y</b> Yttrium 88.905 85	<b>40</b> <b>Zr</b> Zirconium 91.224	<b>41</b> <b>Nb</b> Niobium 92.906 38	<b>42</b> <b>Mo</b> Molybdenum 95.94	<b>43</b> <b>Tc</b> Technetium (97.9072)	<b>44</b> <b>Ru</b> Ruthenium 101.07	<b>45</b> <b>Rh</b> Rhodium 102.905 50	<b>46</b> <b>Pd</b> Palladium 106.42	<b>47</b> <b>Ag</b> Silver 107.8682	<b>48</b> <b>Cd</b> Cadmium 112.411	<b>49</b> <b>In</b> Indium 114.818	<b>50</b> <b>Sn</b> Tin 118.710	<b>51</b> <b>Sb</b> Antimony 121.760	<b>52</b> <b>Te</b> Tellurium 127.60	<b>53</b> <b>I</b> Iodine 126.904 47	<b>54</b> <b>Xe</b> Xenon 131.29
6	<b>55</b> <b>Cs</b> Cesium 132.905 45	<b>56</b> <b>Ba</b> Barium 137.327	<b>57</b> <b>La</b> Lanthanum 138.9055	<b>72</b> <b>Hf</b> Hafnium 178.49	<b>73</b> <b>Ta</b> Tantalum 180.9479	<b>74</b> <b>W</b> Tungsten 183.84	<b>75</b> <b>Re</b> Rhenium 186.207	<b>76</b> <b>Os</b> Osmium 190.23	<b>77</b> <b>Ir</b> Iridium 192.217	<b>78</b> <b>Pt</b> Platinum 195.078	<b>79</b> <b>Au</b> Gold 196.966 55	<b>80</b> <b>Hg</b> Mercury 200.59	<b>81</b> <b>Tl</b> Thallium 204.3833	<b>82</b> <b>Pb</b> Lead 207.2	<b>83</b> <b>Bi</b> Bismuth 208.980 38	<b>84</b> <b>Po</b> Polonium (208.9824)	<b>85</b> <b>At</b> Astatine (209.9871)	<b>86</b> <b>Rn</b> Radon (222.0176)
7	<b>87</b> <b>Fr</b> Francium (223.0197)	<b>88</b> <b>Ra</b> Radium (226.0254)	<b>89</b> <b>Ac</b> Actinium (227.0278)	<b>104</b> <b>Rf</b> Rutherfordium (261.11)	<b>105</b> <b>Db</b> Dubnium (262.114)	<b>106</b> <b>Sg</b> Seaborgium (266.12)	<b>107</b> <b>Bh</b> Bohrium (264)	<b>108</b> <b>Hs</b> Hassium (265) <sup>†</sup>	<b>109</b> <b>Mt</b> Meitnerium (268) <sup>†</sup>	<b>110</b> <b>Uu*</b> Ununnilium (269) <sup>†</sup>	<b>111</b> <b>Uu*</b> Unununium (272) <sup>†</sup>	<b>112</b> <b>Uu*</b> Ununbium (277) <sup>†</sup>		<b>114</b> <b>Uu*</b> Ununquadium (285) <sup>†</sup>		<b>116</b> <b>Uu*</b> Ununhexium (289) <sup>†</sup>		<b>118</b> <b>Uuo*</b> Ununoctium (293) <sup>†</sup>
	<p>† Estimated from currently available IUPAC data.</p> <p>* The systematic names and symbols for elements greater than 109 will be used until the approval of trivial names by IUPAC.</p>																	
	<b>58</b> <b>Ce</b> Cerium 140.116	<b>59</b> <b>Pr</b> Praseodymium 140.907 65	<b>60</b> <b>Nd</b> Neodymium 144.24	<b>61</b> <b>Pm</b> Promethium (144.9127)	<b>62</b> <b>Sm</b> Samarium 150.36	<b>63</b> <b>Eu</b> Europium 151.964	<b>64</b> <b>Gd</b> Gadolinium 157.25	<b>65</b> <b>Tb</b> Terbium 158.925 34	<b>66</b> <b>Dy</b> Dysprosium 162.50	<b>67</b> <b>Ho</b> Holmium 164.930 32	<b>68</b> <b>Er</b> Erbium 167.26	<b>69</b> <b>Tm</b> Thulium 168.934 21	<b>70</b> <b>Yb</b> Ytterbium 173.04	<b>71</b> <b>Lu</b> Lutetium 174.967				
	<b>90</b> <b>Th</b> Thorium 232.0381	<b>91</b> <b>Pa</b> Protactinium 231.035 88	<b>92</b> <b>U</b> Uranium 238.0289	<b>93</b> <b>Np</b> Neptunium (237.0482)	<b>94</b> <b>Pu</b> Plutonium 244.0642	<b>95</b> <b>Am</b> Americium (243.0614)	<b>96</b> <b>Cm</b> Curium (247.0703)	<b>97</b> <b>Bk</b> Berkelium (247.0703)	<b>98</b> <b>Cf</b> Californium (251.0796)	<b>99</b> <b>Es</b> Einsteinium (252.083)	<b>100</b> <b>Fm</b> Fermium (257.0951)	<b>101</b> <b>Md</b> Mendelevium (258.10)	<b>102</b> <b>No</b> Nobelium (259.1009)	<b>103</b> <b>Lr</b> Lawrencium (262.11)				

Key:

6 — Atomic number  
**C** — Symbol  
 Carbon — Name  
 12.011 — Average atomic mass

- Metals**
- Alkali metals
  - Alkaline-earth metals
  - Transition metals
  - Other metals
- Nonmetals**
- Hydrogen
  - Semiconductors
  - Halogens
  - Noble gases
  - Other nonmetals

The atomic masses listed in this table reflect the precision of current measurements. (Values listed in parentheses are those of the element's most stable or most common isotope.) In calculations throughout the text, however, atomic masses have been rounded to two places to the right of the decimal.