

1																	Group 13	Group 14	Group 15	Group 16	Group 17	Group 18												
1	<div style="display: flex; align-items: center; gap: 10px;"> <div style="border: 1px solid black; padding: 5px; background-color: #e0f0e0;"> <p>6 — Atomic number</p> <p><b>C</b> — Symbol</p> <p>Carbon — Name</p> <p>12.0107 — Average atomic mass</p> </div> <div style="color: blue; font-weight: bold; font-size: 1.2em;">Key:</div> </div>																5		6	7	8	9	10											10
1	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p><b>1 H</b> Hydrogen 1.007 94</p> <p>Group 1 <b>3 Li</b> Lithium 6.941</p> <p>Group 2 <b>4 Be</b> Beryllium 9.012 182</p> <p><b>11 Na</b> Sodium 22.989 770</p> <p><b>12 Mg</b> Magnesium 24.3050</p> <p>Group 3 <b>21 Sc</b> Scandium 44.955 910</p> <p>Group 4 <b>22 Ti</b> Titanium 47.867</p> <p>Group 5 <b>23 V</b> Vanadium 50.9415</p> <p>Group 6 <b>24 Cr</b> Chromium 51.9961</p> <p>Group 7 <b>25 Mn</b> Manganese 54.938 049</p> <p>Group 8 <b>26 Fe</b> Iron 55.845</p> <p>Group 9 <b>27 Co</b> Cobalt 58.933 200</p> <p>Group 10 <b>28 Ni</b> Nickel 58.6934</p> <p>Group 11 <b>29 Cu</b> Copper 63.546</p> <p>Group 12 <b>30 Zn</b> Zinc 65.39</p> <p><b>37 Rb</b> Rubidium 85.4678</p> <p><b>38 Sr</b> Strontium 87.62</p> <p><b>39 Y</b> Yttrium 88.905 85</p> <p><b>40 Zr</b> Zirconium 91.224</p> <p><b>41 Nb</b> Niobium 92.906 38</p> <p><b>42 Mo</b> Molybdenum 95.94</p> <p><b>43 Tc</b> Technetium (98)</p> <p><b>44 Ru</b> Ruthenium 101.07</p> <p><b>45 Rh</b> Rhodium 102.905 50</p> <p><b>46 Pd</b> Palladium 106.42</p> <p><b>47 Ag</b> Silver 107.8682</p> <p><b>48 Cd</b> Cadmium 112.411</p> <p><b>49 In</b> Indium 114.818</p> <p><b>50 Sn</b> Tin 118.710</p> <p><b>51 Sb</b> Antimony 121.760</p> <p><b>52 Te</b> Tellurium 127.60</p> <p><b>53 I</b> Iodine 126.904 47</p> <p><b>54 Xe</b> Xenon 131.29</p> <p><b>55 Cs</b> Cesium 132.905 45</p> <p><b>56 Ba</b> Barium 137.327</p> <p><b>57 La</b> Lanthanum 138.9055</p> <p><b>72 Hf</b> Hafnium 178.49</p> <p><b>73 Ta</b> Tantalum 180.9479</p> <p><b>74 W</b> Tungsten 183.84</p> <p><b>75 Re</b> Rhenium 186.207</p> <p><b>76 Os</b> Osmium 190.23</p> <p><b>77 Ir</b> Iridium 192.217</p> <p><b>78 Pt</b> Platinum 195.078</p> <p><b>79 Au</b> Gold 196.966 55</p> <p><b>80 Hg</b> Mercury 200.59</p> <p><b>81 Tl</b> Thallium 204.3833</p> <p><b>82 Pb</b> Lead 207.2</p> <p><b>83 Bi</b> Bismuth 208.980 38</p> <p><b>84 Po</b> Polonium (209)</p> <p><b>85 At</b> Astatine (210)</p> <p><b>86 Rn</b> Radon (222)</p> <p><b>87 Fr</b> Francium (223)</p> <p><b>88 Ra</b> Radium (226)</p> <p><b>89 Ac</b> Actinium (227)</p> <p><b>104 Rf</b> Rutherfordium (261)</p> <p><b>105 Db</b> Dubnium (262)</p> <p><b>106 Sg</b> Seaborgium (263)</p> <p><b>107 Bh</b> Bohrium (264)</p> <p><b>108 Hs</b> Hassium (265)<sup>†</sup></p> <p><b>109 Mt</b> Meitnerium (268)<sup>†</sup></p> <p><b>110 Uun*</b> Ununnilium (269)<sup>†</sup></p> <p><b>111 Uuu*</b> Unununium (272)<sup>†</sup></p> <p><b>112 Uub*</b> Ununbium (277)<sup>†</sup></p> <p><b>114 Uuq*</b> Ununquadium (285)<sup>†</sup></p> </div> <div style="width: 45%;"> <p><b>Metals</b></p> <ul style="list-style-type: none"> <li><span style="color: #f08080;">■</span> Alkali metals</li> <li><span style="color: #add8e6;">■</span> Alkaline-earth metals</li> <li><span style="color: #ffa07a;">■</span> Transition metals</li> <li><span style="color: #add8e6;">■</span> Other metals</li> </ul> <p><b>Nonmetals</b></p> <ul style="list-style-type: none"> <li><span style="color: #ffff00;">■</span> Hydrogen</li> <li><span style="color: #90ee90;">■</span> Semiconductors</li> <li><span style="color: #ffa07a;">■</span> Halogens</li> <li><span style="color: #d8bfd8;">■</span> Noble gases</li> <li><span style="color: #90ee90;">■</span> Other nonmetals</li> </ul> </div> </div>																13	14	15	16	17	18												
2																	6		7	8	9	10												
2																	Boron		Carbon	Nitrogen	Oxygen	Fluorine	Neon											
2																	10.811		12.0107	14.006 74	15.9994	18.998 4032	20.1797											
3																	Aluminum		Silicon	Phosphorus	Sulfur	Chlorine	Argon											
3																	26.981 538		28.0855	30.973 761	32.066	35.4527	39.948											
4																	Gallium		Germanium	Arsenic	Selenium	Bromine	Krypton											
4																	69.723		72.61	74.921 60	78.96	79.904	83.80											
5																	Indium		Tin	Antimony	Tellurium	Iodine	Xenon											
5																	114.818		118.710	121.760	127.60	126.904 47	131.29											
6																	Thallium		Lead	Bismuth	Polonium	Astatine	Radon											
6																	204.3833		207.2	208.980 38	(209)	(210)	(222)											
7																																		
7																																		

Elements 116 and 118 were reported discovered by a team at Lawrence Berkeley National Laboratories in June of 1999. The same team retracted their discovery in July of 2001.

† Estimated from currently available IUPAC data.

\* The systematic names and symbols for elements greater than 109 will be used until the approval of trivial names by IUPAC.

58	59	60	61	62	63	64	65	66	67	68	69	70	71
<b>Ce</b> Cerium 140.116	<b>Pr</b> Praseodymium 140.907 65	<b>Nd</b> Neodymium 144.24	<b>Pm</b> Promethium (145)	<b>Sm</b> Samarium 150.36	<b>Eu</b> Europium 151.964	<b>Gd</b> Gadolinium 157.25	<b>Tb</b> Terbium 158.925 34	<b>Dy</b> Dysprosium 162.50	<b>Ho</b> Holmium 164.930 32	<b>Er</b> Erbium 167.26	<b>Tm</b> Thulium 168.934 21	<b>Yb</b> Ytterbium 173.04	<b>Lu</b> Lutetium 174.967
90	91	92	93	94	95	96	97	98	99	100	101	102	103
<b>Th</b> Thorium 232.0381	<b>Pa</b> Protactinium 231.036 88	<b>U</b> Uranium 238.0289	<b>Np</b> Neptunium (237)	<b>Pu</b> Plutonium (244)	<b>Am</b> Americium (243)	<b>Cm</b> Curium (247)	<b>Bk</b> Berkelium (247)	<b>Cf</b> Californium (251)	<b>Es</b> Einsteinium (252)	<b>Fm</b> Fermium (257)	<b>Md</b> Mendelevium (258)	<b>No</b> Nobelium (259)	<b>Lr</b> Lawrencium (262)

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.