

# Periodic Table of the Elements

College of Saint Benedict / Saint John's University

1 IA																	18 VIIIA				
1.008 <b>1H</b> hydrogen																	4.003 <b>2He</b> helium				
6.941 <b>3Li</b> lithium	2 IIA 9.012 <b>4Be</b> beryllium															13 IIIA 10.81 <b>5B</b> boron	14 IVA 12.011 <b>6C</b> carbon	15 VA 14.007 <b>7N</b> nitrogen	16 VIA 16.00 <b>8O</b> oxygen	17 VIIA 19.00 <b>9F</b> fluorine	20.18 <b>10Ne</b> neon
22.99 <b>11Na</b> sodium	24.31 <b>12Mg</b> magnesium	3 IIIB	4 IVB	5 VB	6 VIB	7 VIIB	8 VIII	9 VIII	10 VIII	11 IB	12 IIB	26.98 <b>13Al</b> aluminum	28.09 <b>14Si</b> silicon	30.97 <b>15P</b> phosphorus	32.07 <b>16S</b> sulfur	35.453 <b>17Cl</b> chlorine	39.95 <b>18Ar</b> argon				
39.10 <b>19K</b> potassium	40.08 <b>20Ca</b> calcium	44.96 <b>21Sc</b> scandium	47.88 <b>22Ti</b> titanium	50.94 <b>23V</b> vanadium	52.00 <b>24Cr</b> chromium	54.94 <b>25Mn</b> manganese	55.85 <b>26Fe</b> iron	58.93 <b>27Co</b> cobalt	58.69 <b>28Ni</b> nickel	63.55 <b>29Cu</b> copper	65.39 <b>30Zn</b> zinc	69.72 <b>31Ga</b> gallium	72.64 <b>32Ge</b> germanium	74.92 <b>33As</b> arsenic	78.96 <b>34Se</b> selenium	79.90 <b>35Br</b> bromine	83.79 <b>36Kr</b> krypton				
85.47 <b>37Rb</b> rubidium	87.62 <b>38Sr</b> strontium	88.91 <b>39Y</b> yttrium	91.22 <b>40Zr</b> zirconium	92.91 <b>41Nb</b> niobium	95.94 <b>42Mo</b> molybdenum	(98)* <b>43Tc</b> technecium	101.1 <b>44Ru</b> ruthenium	102.9 <b>45Rh</b> rhodium	106.4 <b>46Pd</b> palladium	107.9 <b>47Ag</b> silver	112.4 <b>48Cd</b> cadmium	114.8 <b>49In</b> indium	118.7 <b>50Sn</b> tin	121.8 <b>51Sb</b> antimony	127.6 <b>52Te</b> tellurium	127.6 <b>53I</b> iodine	131.3 <b>54Xe</b> xenon				
132.9 <b>55Cs</b> cesium	137.3 <b>56Ba</b> barium	138.9 <b>57La</b> lanthanum	178.5 <b>72Hf</b> hafnium	180.9 <b>73Ta</b> tantalum	183.9 <b>74W</b> tungsten	186.27 <b>75Re</b> rhenium	190.2 <b>76Os</b> osmium	192.2 <b>77Ir</b> iridium	195.1 <b>78Pt</b> platinum	197.0 <b>79Au</b> gold	200.5 <b>80Hg</b> mercury	204.4 <b>81Tl</b> thallium	207.2 <b>82Pb</b> lead	209.0 <b>83Bi</b> bismuth	(209)* <b>84Po</b> polonium	(210)* <b>85At</b> astatine	(222)* <b>86Rn</b> radon				
(223)* <b>87Fr</b> francium	(226)* <b>88Ra</b> radium	(227)* <b>89Ac</b> actinium	(265)* <b>104Rf</b> rutherfordium	(268)* <b>105Db</b> dubnium	(271)* <b>106Sg</b> seaborgium	(270)* <b>107Bh</b> bohrium	(277)* <b>108Hs</b> hassium	(276)* <b>109Mt</b> meitnerium	(281)* <b>110Ds</b> darmstadtium	(280)* <b>111Rg</b> roentgenium	(285)* <b>112Cn</b> copernium	(286)* <b>113Nh</b> nihonium	(289)* <b>114Fl</b> flerovium	(289)* <b>115Mc</b> moscovium	(293)* <b>116Lv</b> livermorium	(294)* <b>117Ts</b> tennessine	(294)* <b>118Og</b> oganesson				



\*radioactive; a number in parentheses is the mass of the most stable isotope; a non-boldface element is not known to occur naturally.

140.1 <b>58Ce</b> cerium	140.9 <b>59Pr</b> praseodymium	144.2 <b>60Nd</b> neodymium	(145)* <b>61Pm</b> promethium	150.4 <b>62Sm</b> samarium	152.0 <b>63Eu</b> europium	157.2 <b>64Gd</b> gadolinium	158.9 <b>65Tb</b> terbium	162.5 <b>66Dy</b> dysprosium	164.9 <b>67Ho</b> holmium	167.3 <b>68Er</b> erbium	168.9 <b>69Tm</b> thulium	173.0 <b>70Yb</b> ytterbium	175.0 <b>71Lu</b> lutetium
232.04* <b>90Th</b> thorium	231.04* <b>91Pa</b> protactinium	238.03* <b>92U</b> uranium	(237)* <b>93Np</b> neptunium	(244)* <b>94Pu</b> plutonium	(243)* <b>95Am</b> americium	(247)* <b>96Cm</b> curium	(247)* <b>97Bk</b> berkelium	(251)* <b>98Cf</b> californium	(252)* <b>99Es</b> einsteinium	(257)* <b>100Fm</b> fermium	(258)* <b>101Md</b> mendelevium	(259)* <b>102No</b> nobelium	(262)* <b>103Lr</b> lawrencium