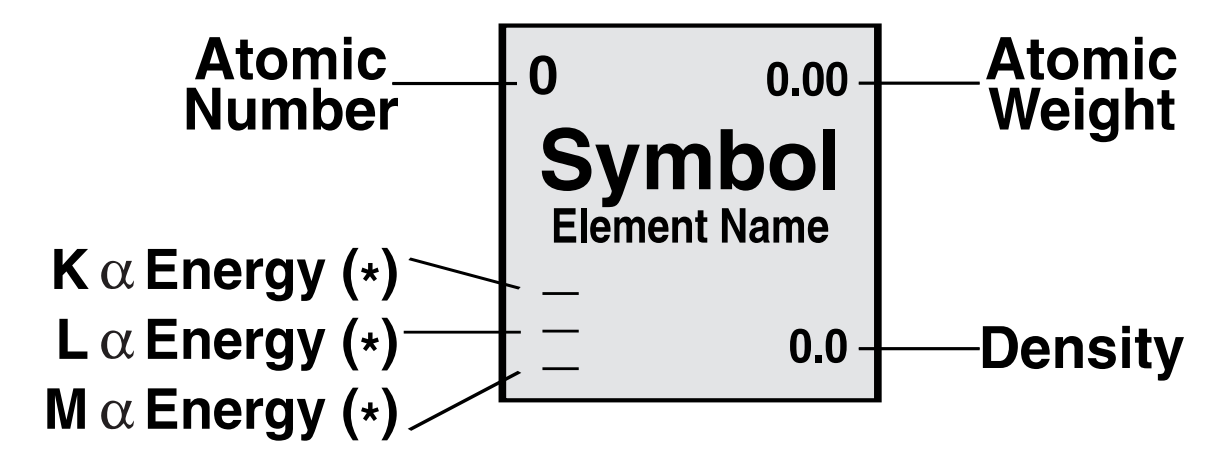




Periodic Table of the Elements

IA																	VIIIA																												
1 H Hydrogen 1.008																	2 He Helium 4.003																												
IIA											IIIA	IVA	VA	VIA	VIIA																														
3 Li Lithium 6.941 0.052	4 Be Beryllium 9.012 0.108											5 B Boron 10.811 0.185	6 C Carbon 12.011 0.282	7 N Nitrogen 14.007 0.392	8 O Oxygen 15.999 0.523	9 F Fluorine 18.998 0.677	10 Ne Neon 20.180 0.848																												
IIIB	IVB	VB	VIB	VIIB	VIII	IB	IIB	IIIA	IVA	VA	VIA	VIIA																																	
11 Na Sodium 22.990 1.04	12 Mg Magnesium 24.305 1.254 1.74											13 Al Aluminum 26.982 1.486 2.70	14 Si Silicon 28.086 1.740 2.33	15 P Phosphorus 30.974 2.013	16 S Sulfur 32.066 2.307	17 Cl Chlorine 35.453 2.622	18 Ar Argon 39.948 2.957																												
19 K Potassium 39.098 3.313 0.86	20 Ca Calcium 40.08 3.691 0.341 1.54	21 Sc Scandium 44.956 4.090 0.395 3.02	22 Ti Titanium 47.88 4.510 0.452 4.5	23 V Vanadium 50.942 4.952 0.511 5.96	24 Cr Chromium 51.996 5.414 0.573 7.19	25 Mn Manganese 54.938 5.898 0.637 7.44	26 Fe Iron 55.847 6.403 0.705 7.87	27 Co Cobalt 58.933 6.929 0.776 8.84	28 Ni Nickel 58.70 7.477 0.851 8.90	29 Cu Copper 63.546 8.040 0.930 8.96	30 Zn Zinc 65.39 8.637 1.012 7.13	31 Ga Gallium 69.723 9.250 1.098 5.90	32 Ge Germanium 72.61 9.885 1.186 5.32	33 As Arsenic 74.922 10.542 1.282 5.78	34 Se Selenium 78.96 11.220 1.379 4.81	35 Br Bromine 79.904 11.922 1.480 4.81	36 Kr Krypton 83.80 12.649 1.586																												
37 Rb Rubidium 85.468 13.393 1.694 1.52	38 Sr Strontium 87.62 14.163 1.806 2.63	39 Y Yttrium 88.906 14.955 1.922 4.47	40 Zr Zirconium 91.22 15.776 2.042 4.5	41 Nb Niobium 92.906 16.617 2.166 8.57	42 Mo Molybdenum 95.94 17.481 2.293 10.22	43 Tc Technetium 98 18.368 2.424 11.49	44 Ru Ruthenium 101.07 19.282 2.558 12.4	45 Rh Rhodium 102.906 20.217 2.696 12.44	46 Pd Palladium 106.42 21.180 2.838 12.02	47 Ag Silver 107.868 22.166 2.984 10.49	48 Cd Cadmium 112.41 23.175 3.133 8.66	49 In Indium 114.82 24.209 3.286 7.31	50 Sn Tin 118.71 25.272 3.443 7.30	51 Sb Antimony 121.76 26.359 3.604 6.69	52 Te Tellurium 127.60 27.471 3.759 6.27	53 I Iodine 126.905 28.615 3.937	54 Xe Xenon 131.29 29.779 4.109																												
55 Cs Cesium 132.905 30.971 4.286 1.89	56 Ba Barium 137.33 32.196 4.465 3.76	57 La Lanthanum 138.906 33.441 4.650 0.833 6.17	72 Hf Hafnium 178.49 55.801 7.898 1.645 3.1	73 Ta Tantalum 180.948 57.450 8.145 1.710 16.6	74 W Tungsten 183.85 59.305 8.396 1.775 19.35	75 Re Rhenium 186.207 61.122 8.651 1.843 21.03	76 Os Osmium 190.2 62.989 8.910 1.910 22.5	77 Ir Iridium 192.22 64.906 9.174 1.980 22.42	78 Pt Platinum 195.08 66.834 9.441 2.050 21.45	79 Au Gold 196.967 68.804 9.712 2.122 19.30	80 Hg Mercury 200.59 70.806 9.987 2.195 13.55	81 Tl Thallium 204.38 72.869 10.267 2.271 11.85	82 Pb Lead 207.2 74.989 10.550 2.346 11.34	83 Bi Bismuth 208.980 77.091 10.837 2.423 9.81	84 Po Polonium (209) 79.272 11.129 2.501 9.31	85 At Astatine (210) 81.513 11.425 2.581	86 Rn Radon (222) 83.771 11.725 2.662																												
87 Fr Francium (223) 86.098 12.029 2.744 2.44	88 Ra Radium 226.025 88.480 12.338 2.830 5.8	89 Ac Actinium 227.028 90.880 12.650 2.911 10.1	<table border="1"> <tr> <td>58 Ce Cerium 140.12 34.717 4.839 0.882 6.79</td> <td>59 Pr Praseodymium 140.908 36.031 5.033 0.929 6.77</td> <td>60 Nd Neodymium 144.24 37.358 5.229 0.978 7.01</td> <td>61 Pm Promethium (145) 38.725 5.432 1.032 7.26</td> <td>62 Sm Samarium 150.36 40.118 5.635 1.085 7.54</td> <td>63 Eu Europium 151.97 41.534 5.845 1.137 5.24</td> <td>64 Gd Gadolinium 157.25 42.992 6.056 1.190 7.89</td> <td>65 Tb Terbium 158.925 44.476 6.272 1.245 8.25</td> <td>66 Dy Dysprosium 162.50 45.997 6.494 1.299 8.54</td> <td>67 Ho Holmium 164.930 47.534 6.719 1.353 8.78</td> <td>68 Er Erbium 167.26 49.100 6.947 1.409 9.05</td> <td>69 Tm Thulium 168.934 50.730 7.179 1.466 9.32</td> <td>70 Yb Ytterbium 173.04 52.362 7.414 1.523 6.96</td> <td>71 Lu Lutetium 174.967 54.078 7.654 1.581 9.84</td> </tr> <tr> <td>90 Th Thorium 232.038 93.382 12.967 2.996 11.71</td> <td>91 Pa Protoactinium 231.036 95.886 13.288 3.083 15.37</td> <td>92 U Uranium 238.029 98.434 13.612 3.171 19.04</td> <td>93 Np Neptunium 237.048 100.800 13.941 3.260 20.45</td> <td>94 Pu Plutonium (244) 103.320 105.970 14.275 3.348 19.80</td> <td>95 Am Americium (243) 108.737 111.676 14.961 3.539 13.67</td> <td>96 Cm Curium (247) 108.737 111.676 14.961 3.539 13.67</td> <td>97 Bk Berkelium (247) 111.676 115.309 15.309 3.634</td> <td>98 Cf Californium (251) 114.778 118.710 15.661 3.731</td> <td>99 Es Einsteinium (252) 160.18</td> <td>100 Fm Fermium (257)</td> <td>101 Md Mendelevium (258)</td> <td>102 No Nobelium (259)</td> <td>103 Lr Lawrencium (260)</td> </tr> </table>															58 Ce Cerium 140.12 34.717 4.839 0.882 6.79	59 Pr Praseodymium 140.908 36.031 5.033 0.929 6.77	60 Nd Neodymium 144.24 37.358 5.229 0.978 7.01	61 Pm Promethium (145) 38.725 5.432 1.032 7.26	62 Sm Samarium 150.36 40.118 5.635 1.085 7.54	63 Eu Europium 151.97 41.534 5.845 1.137 5.24	64 Gd Gadolinium 157.25 42.992 6.056 1.190 7.89	65 Tb Terbium 158.925 44.476 6.272 1.245 8.25	66 Dy Dysprosium 162.50 45.997 6.494 1.299 8.54	67 Ho Holmium 164.930 47.534 6.719 1.353 8.78	68 Er Erbium 167.26 49.100 6.947 1.409 9.05	69 Tm Thulium 168.934 50.730 7.179 1.466 9.32	70 Yb Ytterbium 173.04 52.362 7.414 1.523 6.96	71 Lu Lutetium 174.967 54.078 7.654 1.581 9.84	90 Th Thorium 232.038 93.382 12.967 2.996 11.71	91 Pa Protoactinium 231.036 95.886 13.288 3.083 15.37	92 U Uranium 238.029 98.434 13.612 3.171 19.04	93 Np Neptunium 237.048 100.800 13.941 3.260 20.45	94 Pu Plutonium (244) 103.320 105.970 14.275 3.348 19.80	95 Am Americium (243) 108.737 111.676 14.961 3.539 13.67	96 Cm Curium (247) 108.737 111.676 14.961 3.539 13.67	97 Bk Berkelium (247) 111.676 115.309 15.309 3.634	98 Cf Californium (251) 114.778 118.710 15.661 3.731	99 Es Einsteinium (252) 160.18	100 Fm Fermium (257)	101 Md Mendelevium (258)	102 No Nobelium (259)	103 Lr Lawrencium (260)
58 Ce Cerium 140.12 34.717 4.839 0.882 6.79	59 Pr Praseodymium 140.908 36.031 5.033 0.929 6.77	60 Nd Neodymium 144.24 37.358 5.229 0.978 7.01	61 Pm Promethium (145) 38.725 5.432 1.032 7.26	62 Sm Samarium 150.36 40.118 5.635 1.085 7.54	63 Eu Europium 151.97 41.534 5.845 1.137 5.24	64 Gd Gadolinium 157.25 42.992 6.056 1.190 7.89	65 Tb Terbium 158.925 44.476 6.272 1.245 8.25	66 Dy Dysprosium 162.50 45.997 6.494 1.299 8.54	67 Ho Holmium 164.930 47.534 6.719 1.353 8.78	68 Er Erbium 167.26 49.100 6.947 1.409 9.05	69 Tm Thulium 168.934 50.730 7.179 1.466 9.32	70 Yb Ytterbium 173.04 52.362 7.414 1.523 6.96	71 Lu Lutetium 174.967 54.078 7.654 1.581 9.84																																
90 Th Thorium 232.038 93.382 12.967 2.996 11.71	91 Pa Protoactinium 231.036 95.886 13.288 3.083 15.37	92 U Uranium 238.029 98.434 13.612 3.171 19.04	93 Np Neptunium 237.048 100.800 13.941 3.260 20.45	94 Pu Plutonium (244) 103.320 105.970 14.275 3.348 19.80	95 Am Americium (243) 108.737 111.676 14.961 3.539 13.67	96 Cm Curium (247) 108.737 111.676 14.961 3.539 13.67	97 Bk Berkelium (247) 111.676 115.309 15.309 3.634	98 Cf Californium (251) 114.778 118.710 15.661 3.731	99 Es Einsteinium (252) 160.18	100 Fm Fermium (257)	101 Md Mendelevium (258)	102 No Nobelium (259)	103 Lr Lawrencium (260)																																



- Alkali Earth
- Alkaline Earth
- Transition Metals
- Rare Earth
- Other Metals
- Metalloids
- Non-Metals
- Halogens
- Noble Gases



EDAX Inc.
Corporate Headquarters
91 McKee Drive • Mahwah, NJ 07430
Tel: 201-529-4880
Fax: 201-529-3156

EDAX BV
Regional Office
Tilburg, The Netherlands
Tel: +31-13-536-4000
Fax: +31-13-535-6279

EDAX Japan KK
Regional Office
Tokyo, Japan
Tel: +81-3-3740-5172
Fax: +81-3-3740-5307

EDAX Asia Pacific
Regional Office
Kowloon, Hong Kong
Tel: +852-2626-0971
Fax: +852-2699-4114

