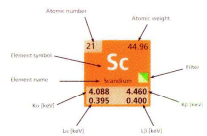


# THE PERIODIC TABLE OF THE ELEMENTS

	R <sub>2</sub> O/RH IA	RO/RH <sub>2</sub> IIA	R <sub>2</sub> O <sub>3</sub> IIIB	RO <sub>2</sub> IVB	R <sub>2</sub> O <sub>5</sub> VB	RO <sub>3</sub> VIB	R <sub>2</sub> O <sub>7</sub> VIIB	VIII	R <sub>2</sub> O IB	RO IIB	R <sub>2</sub> O <sub>3</sub> IIIA	RO <sub>2</sub> /RH <sub>4</sub> IVA	R <sub>2</sub> O <sub>5</sub> /RH <sub>3</sub> VA	RO <sub>2</sub> /RH <sub>2</sub> VIA	R <sub>2</sub> O <sub>7</sub> /RH VIIA	0		
1	H Hydrogen 1.008															He Helium 4.003		
2	Li Lithium 6.941	Be Beryllium 9.012														Ne Neon 20.179		
3	Na Sodium 22.990 1.041 1.067	Mg Magnesium 24.31 1.253 1.302														Ar Argon 39.948 2.957 3.190		
4	K Potassium 39.098 3.312 3.589	Ca Calcium 40.08 3.690 4.012 0.341 0.345	Sc Scandium 44.96 4.088 4.460 0.395 0.400	Ti Titanium 47.88 4.508 4.931 0.452 0.458	V Vanadium 50.94 4.949 5.426 0.511 0.519	Cr Chromium 52.00 5.411 5.946 0.573 0.583	Mn Manganese 54.94 5.894 6.489 0.637 0.649	Fe Iron 55.85 6.398 7.057 0.705 0.718	Co Cobalt 58.93 6.924 7.648 0.776 0.791	Ni Nickel 58.93 7.471 8.263 0.851 0.869	Cu Copper 63.55 8.040 8.904 0.930 0.950	Zn Zinc 65.37 8.630 9.570 1.012 1.043	Ga Gallium 69.72 9.241 10.263 1.098 1.125	Ge Germanium 72.59 9.874 10.980 1.188 1.218	As Arsenic 74.92 10.530 11.724 1.282 1.317	Se Selenium 78.96 11.207 12.494 1.379 1.419	Br Bromine 79.904 11.907 13.289 1.480 1.526	Kr Krypton 83.80 12.631 14.110 1.586 1.636
5	Rb Rubidium 85.47 13.373 14.959 1.694 1.750	Sr Strontium 87.62 14.140 15.833 1.836 1.871	Y Yttrium 88.91 14.531 16.735 1.952 1.996	Zr Zirconium 91.22 15.744 17.665 2.052 2.104	Nb Niobium 92.91 16.581 18.619 2.166 2.221	Mo Molybdenum 95.94 17.441 19.605 2.291 2.349	Tc Technetium 98.91 18.325 20.615 2.414 2.476	Ru Ruthenium 101.1 19.233 21.653 2.538 2.601	Rh Rhodium 102.905 20.165 22.720 2.666 2.834	Pd Palladium 106.4 21.121 23.815 2.818 2.900	Ag Silver 107.87 22.101 24.938 2.984 3.150	Cd Cadmium 112.41 23.106 26.091 3.133 3.316	In Indium 114.82 24.136 27.271 3.288 3.487	Sn Tin 118.71 25.191 28.481 3.449 3.662	Sb Antimony 121.75 26.271 29.721 3.609 3.843	Te Tellurium 127.60 27.377 30.950 3.789 4.038	I Iodine 126.90 28.508 32.289 3.977 4.220	Xe Xenon 131.30 29.666 33.619 4.109
6	Cs Cesium 132.905 30.581 34.981 4.286 4.619	Ba Barium 137.33 32.062 36.372 4.465 4.827	L Lanthanum 138.905 33.299 37.795 4.650 5.041	Hf Hafnium 178.49 35.382 63.222 7.898 9.021	Ta Tantalum 180.95 37.082 65.212 8.145 9.342	W Tungsten 183.85 38.856 67.233 8.396 9.671	Re Rhenium 186.21 40.078 69.226 8.651 10.008	Os Osmium 190.23 42.010 72.043 8.910 10.354	Ir Iridium 192.22 43.905 74.101 9.174 10.706	Pt Platinum 195.08 45.962 76.153 9.441 11.069	Au Gold 196.97 47.932 78.107 9.712 11.440	Hg Mercury 200.59 49.906 80.240 9.987 11.821	Tl Thallium 204.37 51.906 82.343 10.267 12.211	Pb Lead 207.19 53.939 84.361 10.550 12.612	Bi Bismuth 208.98 55.937 86.369 10.837 13.021	Po Polonium 209 57.944 88.400 11.129 13.445	At Astatine 210 59.909 90.426 11.425 13.874	Rn Radon 222 61.018 92.906 11.725 14.313
7	Fr Francium 223 83.110 97.460 12.029 14.768	Ra Radium 226.025 85.408 100.087 12.338 15.233	A Actinides															
				La Lanthanum 138.91	Ce Cerium 140.12	Pr Praseodymium 140.91	Nd Neodymium 144.24	Pm Promethium (147)	Sm Samarium 150.35	Eu Europium 151.96	Gd Gadolinium 157.25	Tb Terbium 158.92	Dy Dysprosium 162.50	Ho Holmium 164.93	Er Erbium 167.26	Tm Thulium 168.93	Yb Ytterbium 173.04	Lu Lutetium 174.07
				Ac Actinium 227	Th Thorium 232.04	Pa Protactinium 231.04	U Uranium 238.03	Np Neptunium 237.05	Pu Plutonium 244	Am Americium 243	Cm Curium 247	Bk Berkelium 247	Cf Californium 251	Es Einsteinium 252	Fm Fermium 257	Md Mendelevium 258	No Nobelium 259	Lr Lawrencium 262



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