Periodic Table of the Elements

	1a	2a											3a	4a	5a	6a	7a	8a
1	**H** 1.008 1																	**He** Helium 4.003 2
2	**Li** Lithium 6.94 3	**Be** Berylium 9.013 4											**B** Boron 10.82 5	**C** 12.011 6	**N** 14.008 7	**O** 16 8	**F** Fluorine 19 9	**Ne** Neon 20.183 10
3	**Na** 22.991 11	**Mg** 24.32 12											**Al** 26.98 13	**Si** 28.09 14	**P** 30.975 15	**S** 32.066 16	**Cl** 35.457 17	**Ar** Argon 39.944 18
4	**K** 39.1 19	**Ca** 40.08 20	**Sc** Scandium 44.96 21	**Ti** Titanium 47.9 22	**V** Vanadium 50.95 23	**Cr** Chromium+2/+3 52.01 24	**Mn** Manganese 54.94 25	**Fe** +2 /+3 55.85 26	**Co** +2 /+3 58.94 27	**Ni** +1 /+2 58.71 28	**Cu** +1 / +2 63.54 29	**Zn** +2 65.38 30	**Ga** Gallium 69.72 31	**Ge** Germanium 72.6 32	**As** Arsenic 74.91 33	**Se** Selenium 78.96 34	**Br** Bromine 79.916 35	**Kr** Krypton 83.8 36
5	**Rb** Rubidium 85.48 37	**Sr** Strontium 87.63 38	**Y** Yttrium 88.92 39	**Zr** Zirconium 91.22 40	**Nb** Niobium 92.91 41	**Mo** Molybdenum 95.95 42	**Tc** Technetium 99 43	**Ru** Ruthenium 101.1 44	**Rh** Rhodium 102.91 45	**Pd** Palladium 106.4 46	**Ag** +1 107.88 47	**Cd** Cadium +2 112.41 48	**In** Indium 114.82 49	**Sn** Tin +4or+2 118.7 50	**Sb** Antimony 121.76 51	**Te** Tellurium 127.61 52	**I** Iodine 126.91 53	**Xe** Xenon 131.3 54
6	**Cs** Cesium 132.91 55	**Ba** Barium 137.56 56	**Lu** Lutetium 174.99 71	**Hf** Hafnium 178.5 72	**Ta** Tantalum 180.95 73	**W** Tungsten 183.86 74	**Re** Rhenium 186.22 75	**Os** Osmium 190.2 76	**Ir** Iridium 192.2 77	**Pt** Platium 195.09 78	**Au** +1 / +3 197 79	**Hg** Mercury 200.61 80	**Tl** Thallium 204.39 81	**Pb** Lead +2/+4 207.21 82	**Bi** Bismuth +3/+5 209 83	**Po** Polonium 210 84	**At** Astatine (210) 85	**Rn** Radon (222) 86
7	**Fr** Francium (223) 87	**Ra** Radium 226.05 88	**Lw** Lawrencium (260) 103	**Rf** Ruthenium (261) 104	**Db** Dubnium (262) 105	**Sg** Seaborgium (263) 106	**Bh** Bohrium (262) 107	**Hs** Hassium (265) 108	**Mt** Meitnerium (266) 109	* (269) 110	* (272) 111	* 112	** 113	** 114	** 115	** 116	** 117	** 118

Gas at room temp

Liquid at room temp

Solid at room temp

Atomic Symbol
Element Name
Atomic Weight (***)
Atomic Number

Note: All B section elements can have two or more charges unless noted.

(* Atomic Weights in parentheses indicate the weight of the most stable isotope)**

**** Elements not yet discovered**

***** Elements discovered but not yet officially named**

Lanthanide Series	**La** Lanthanum 138.92 57	**Ce** Cerium 140.13 58	**Pr** Praseodymium 140.92 59	**Nd** Neodymium 144.27 60	**Pm** Promethium 145 61	**Sm** Samarium 150.35 62	**Eu** Europium 152 63	**Gd** Gadolinium 157.26 64	**Tb** Terbium 158.93 65	**Dy** Dysprosium 162.51 66	**Ho** Holmium 164.94 67	**Er** Erbium 167.27 68	**Tm** Thulium 168.94 69	**Yb** Ytterbium 173.4 70
Actinide Series	**Ac** Actinium 227 89	**Th** Thorium 232.05 90	**Pa** Protactinium 231 91	**U** 238.07 92	**Np** Neptunium 237 93	**Pu** Plutonium 242 94	**Am** Americium 243 95	**Cm** Curium 245 96	**Bk** Berkelium 249 97	**Cf** Californium 249 98	**Es** Einsteinium 255 99	**Fm** Fermium 255 100	**Md** Mendelevium 256 101	**No** Nobelium 253 102

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