- Hydrogen
- Semiconductors (also known as *metalloids*)

Metals
- Alkali metals
- Alkaline-earth metals
- Transition metals
- Other metals

Nonmetals
- Halogens
- Noble gases
- Other nonmetals

Group 10	Group 11	Group 12	Group 13	Group 14	Group 15	Group 16	Group 17	Group 18
								2 **He** Helium 4.002 602 $1s^2$
			5 **B** Boron 10.811 $[He]2s^22p^1$	6 **C** Carbon 12.0107 $[He]2s^22p^2$	7 **N** Nitrogen 14.0067 $[He]2s^22p^3$	8 **O** Oxygen 15.9994 $[He]2s^22p^4$	9 **F** Fluorine 18.998 4032 $[He]2s^22p^5$	10 **Ne** Neon 20.1797 $[He]2s^22p^6$
			13 **Al** Aluminum 26.981 538 $[Ne]3s^23p^1$	14 **Si** Silicon 28.0855 $[Ne]3s^23p^2$	15 **P** Phosphorus 30.973 761 $[Ne]3s^23p^3$	16 **S** Sulfur 32.065 $[Ne]3s^23p^4$	17 **Cl** Chlorine 35.453 $[Ne]3s^23p^5$	18 **Ar** Argon 39.948 $[Ne]3s^23p^6$
28 **Ni** Nickel 58.6934 $[Ar]3d^84s^2$	29 **Cu** Copper 63.546 $[Ar]3d^{10}4s^1$	30 **Zn** Zinc 65.409 $[Ar]3d^{10}4s^2$	31 **Ga** Gallium 69.723 $[Ar]3d^{10}4s^24p^1$	32 **Ge** Germanium 72.64 $[Ar]3d^{10}4s^24p^2$	33 **As** Arsenic 74.921 60 $[Ar]3d^{10}4s^24p^3$	34 **Se** Selenium 78.96 $[Ar]3d^{10}4s^24p^4$	35 **Br** Bromine 79.904 $[Ar]3d^{10}4s^24p^5$	36 **Kr** Krypton 83.798 $[Ar]3d^{10}4s^24p^6$
46 **Pd** Palladium 106.42 $[Kr]4d^{10}5s^0$	47 **Ag** Silver 107.8682 $[Kr]4d^{10}5s^1$	48 **Cd** Cadmium 112.411 $[Kr]4d^{10}5s^2$	49 **In** Indium 114.818 $[Kr]4d^{10}5s^25p^1$	50 **Sn** Tin 118.710 $[Kr]4d^{10}5s^25p^2$	51 **Sb** Antimony 121.760 $[Kr]4d^{10}5s^25p^3$	52 **Te** Tellurium 127.60 $[Kr]4d^{10}5s^25p^4$	53 **I** Iodine 126.904 47 $[Kr]4d^{10}5s^25p^5$	54 **Xe** Xenon 131.293 $[Kr]4d^{10}5s^25p^6$
78 **Pt** Platinum 195.078 $[Xe]4f^{14}5d^96s^1$	79 **Au** Gold 196.966 55 $[Xe]4f^{14}5d^{10}6s^1$	80 **Hg** Mercury 200.59 $[Xe]4f^{14}5d^{10}6s^2$	81 **Tl** Thallium 204.3833 $[Xe]4f^{14}5d^{10}6s^26p^1$	82 **Pb** Lead 207.2 $[Xe]4f^{14}5d^{10}6s^26p^2$	83 **Bi** Bismuth 208.980 38 $[Xe]4f^{14}5d^{10}6s^26p^3$	84 **Po** Polonium (209) $[Xe]4f^{14}5d^{10}6s^26p^4$	85 **At** Astatine (210) $[Xe]4f^{14}5d^{10}6s^26p^5$	86 **Rn** Radon (222) $[Xe]4f^{14}5d^{10}6s^26p^6$
110 **Ds** Darmstadtium (281) $[Rn]5f^{14}6d^97s^1$	111 **Uuu*** Unununium (272) $[Rn]5f^{14}6d^{10}7s^1$	112 **Uub*** Ununbium (285) $[Rn]5f^{14}6d^{10}7s^2$	113 **Uut*** Ununtrium (284) $[Rn]5f^{14}6d^{10}7s^27p^1$	114 **Uuq*** Ununquadium (289) $[Rn]5f^{14}6d^{10}7s^27p^2$	115 **Uup*** Ununpentium (288) $[Rn]5f^{14}6d^{10}7s^27p^3$			

A team at Lawrence Berkeley National Laboratories reported the discovery of elements 116 and 118 in June 1999. The same team retracted the discovery in July 2001. The discovery of elements 113, 114, and 115 has been reported but not confirmed.

63 **Eu** Europium 151.964 $[Xe]4f^76s^2$	64 **Gd** Gadolinium 157.25 $[Xe]4f^75d^16s^2$	65 **Tb** Terbium 158.925 34 $[Xe]4f^96s^2$	66 **Dy** Dysprosium 162.500 $[Xe]4f^{10}6s^2$	67 **Ho** Holmium 164.930 32 $[Xe]4f^{11}6s^2$	68 **Er** Erbium 167.259 $[Xe]4f^{12}6s^2$	69 **Tm** Thulium 168.934 21 $[Xe]4f^{13}6s^2$	70 **Yb** Ytterbium 173.04 $[Xe]4f^{14}6s^2$	71 **Lu** Lutetium 174.967 $[Xe]4f^{14}5d^16s^2$
95 **Am** Americium (243) $[Rn]5f^77s^2$	96 **Cm** Curium (247) $[Rn]5f^76d^17s^2$	97 **Bk** Berkelium (247) $[Rn]5f^97s^2$	98 **Cf** Californium (251) $[Rn]5f^{10}7s^2$	99 **Es** Einsteinium (252) $[Rn]5f^{11}7s^2$	100 **Fm** Fermium (257) $[Rn]5f^{12}7s^2$	101 **Md** Mendelevium (258) $[Rn]5f^{13}7s^2$	102 **No** Nobelium (259) $[Rn]5f^{14}7s^2$	103 **Lr** Lawrencium (262) $[Rn]5f^{14}6d^17s^2$

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.)