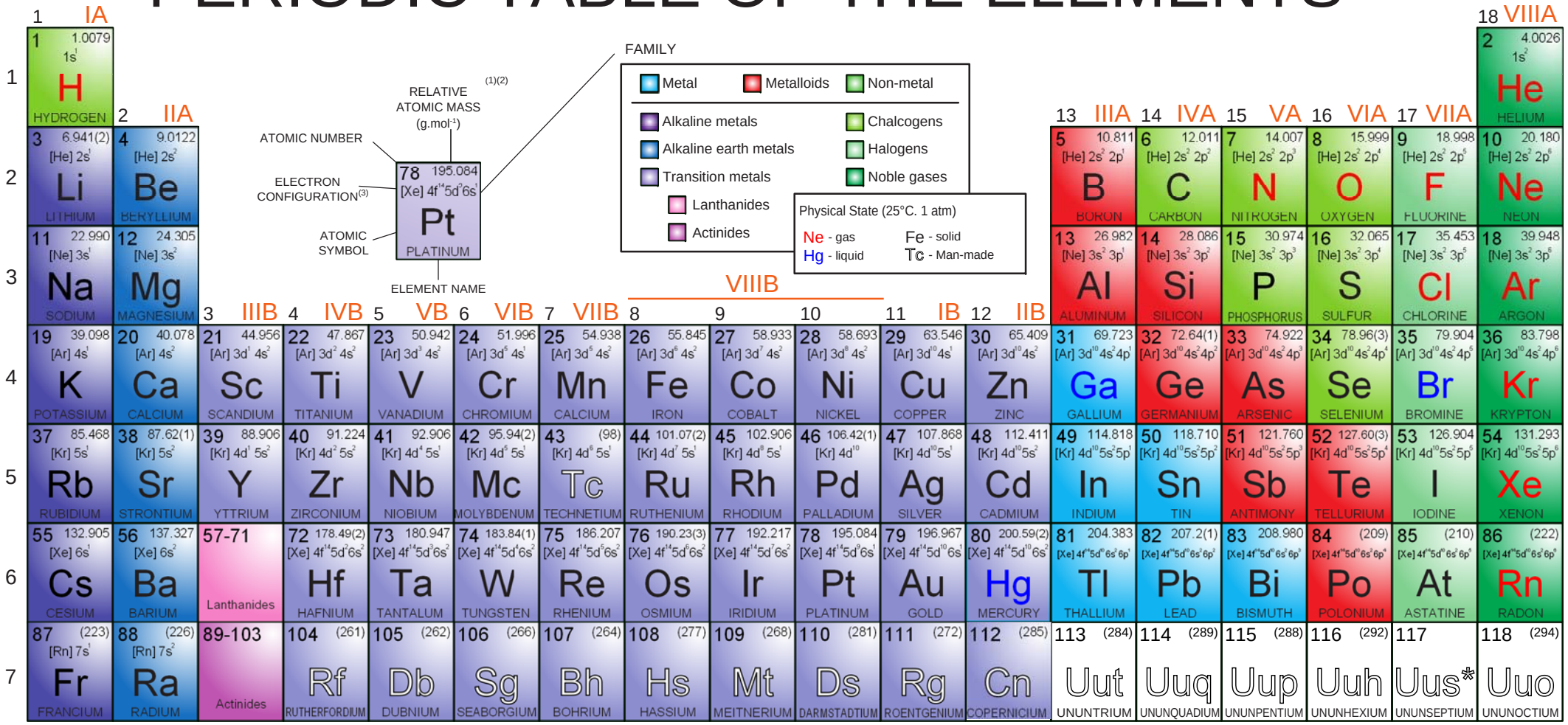
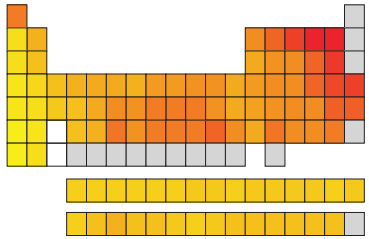
PERIODIC TABLE OF THE ELEMENTS

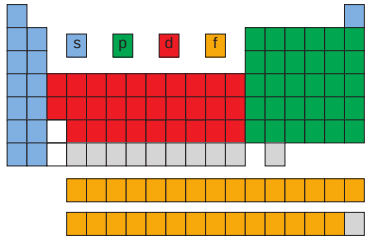


(1) Pure & Applied Chemistry, Vol. 78, No. 11, pp. 2051–2066 (2006)
http://www.iupac.org/publications/pac/2006/pdf/7811x2051.pdf

ELECTRONEGATIVITY



ORBITAL FILLING



LANTHANIDES

57	58	59	60	61	62	63	64	65	66	67	68	69	70	71
138.905 [Xe] 5d1 6s2 La LANTHANUM	140.116 [Xe] 4f1 5d1 6s2 Ce CERIUM	140.908 [Xe] 4f3 6s2 Pr PRASEODYMIUM	144.242 [Xe] 4f4 6s2 Nd NEODYMIUM	(145) [Xe] 4f5 6s2 Pm PROMETHIUM	150.36(2) [Xe] 4f6 6s2 Sm SAMARIUM	151.964 [Xe] 4f7 6s2 Eu EUROPIUM	157.25(3) [Xe] 4f7 5d1 6s2 Gd GADOLINIUM	158.925 [Xe] 4f9 6s2 Tb TERBIUM	162.500 [Xe] 4f10 6s2 Dy DYSPROSIUM	164.930 [Xe] 4f11 6s2 Ho HOLMIUM	167.259 [Xe] 4f12 6s2 Er ERBIUM	168.934 [Xe] 4f13 6s2 Tm THULIUM	173.04(3) [Xe] 4f14 6s2 Yb YTTERBIUM	174.967 [Xe] 4f14 5d1 6s2 Lu LUTETIUM

ACTINIDES

89	90	91	92	93	94	95	96	97	98	99	100	101	102	103
(227) [Rn] 6d1 7s2 Ac ACTINIUM	232.038 [Rn] 6d2 7s2 Th THORIUM	231.036 [Rn] 5f2 6d1 7s2 Pa PROTACTINIUM	238.029 [Rn] 5f3 6d1 7s2 U URANIUM	(237) [Rn] 5f4 6d1 7s2 Np NEPTUNIUM	(244) [Rn] 5f6 7s2 Pu PLUTONIUM	(243) [Rn] 5f7 7s2 Am AMERICIUM	(247) [Rn] 5f7 6d1 7s2 Cm CURIUM	(247) [Rn] 5f9 7s2 Bk BERKELIUM	(251) [Rn] 5f10 7s2 Cf CALIFORNIUM	(252) [Rn] 5f11 7s2 Es EINSTEINIUM	(257) [Rn] 5f12 7s2 Fm FERMIUM	(258) [Rn] 5f13 7s2 Md MENDELEVIUM	(259) [Rn] 5f14 7s2 No NOBELIUM	(262) [Rn] 5f14 7s2 6d1 Lr LAWRENCIUM

(2) The relative atomic mass is given with five significant digits. For items that do not have a stable radionuclide, the value in parentheses indicates the mass number of the isotope of the element with the longest half-life. However, the three elements Th, Pa and Pu which have a characteristic terrestrial isotopic composition, an atomic weight is indicated.

(3) The electronic configurations for which there is doubt are not given.