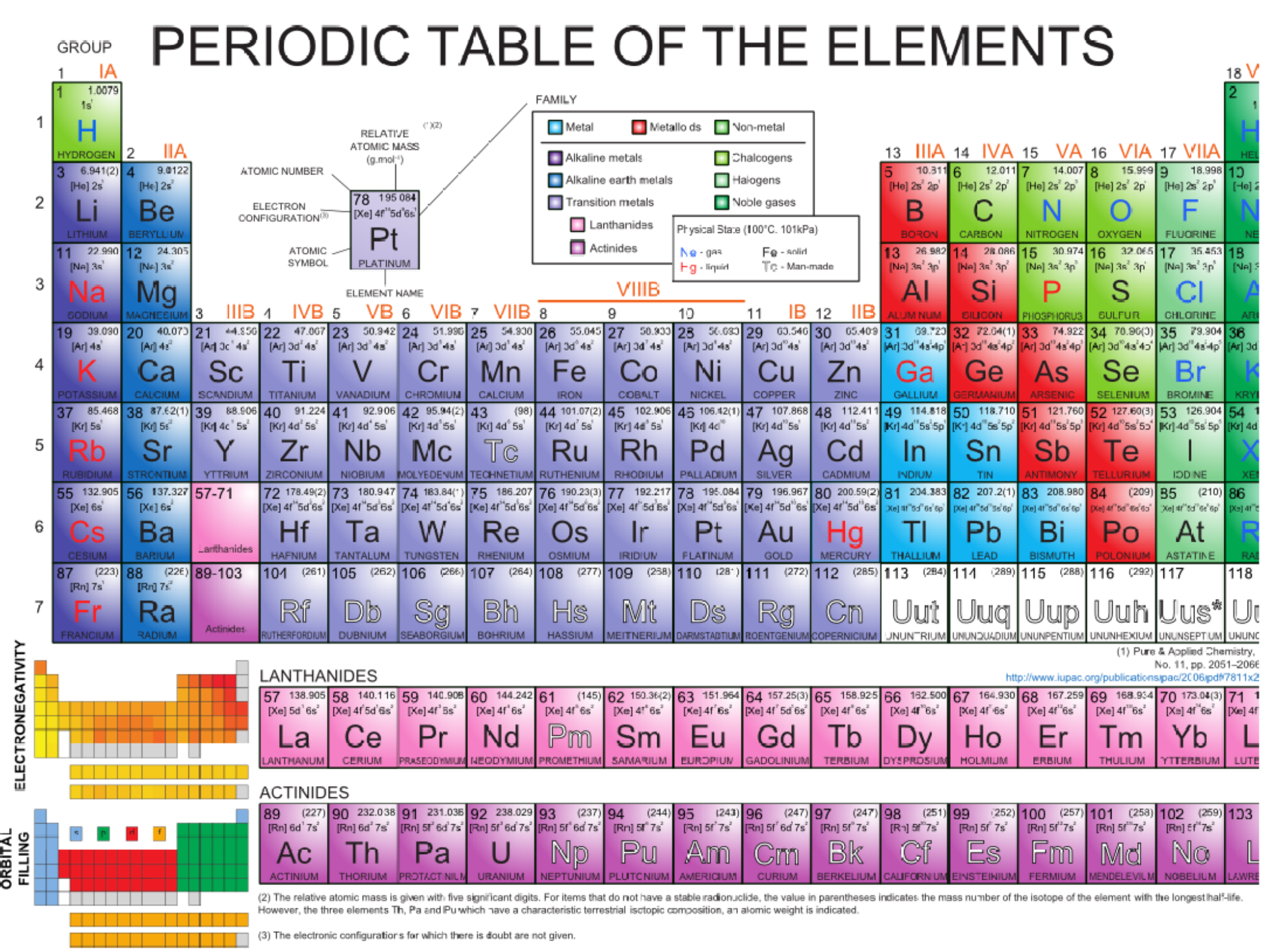
# PERIODIC TABLE OF THE ELEMENTS




## LANTHANIDES

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 57 138.905 [Xe] 5d¹6s² La LANTHANUM | 58 140.116 [Xe] 4f¹5d¹6s² Ce CERIUM | 59 140.908 [Xe] 4f³6s² Pr PRASEODYMIUM | 60 144.242 [Xe] 4f⁴6s² Nd NEODYMIUM | 61 (145) [Xe] 4f⁵6s² Pm PROMETHIUM | 62 150.36(2) [Xe] 4f⁶6s² Sm SAMARIUM | 63 151.964 [Xe] 4f⁷6s² Eu EUROPIUM | 64 157.25(3) [Xe] 4f⁷5d¹6s² Gd GADOLINIUM | 65 158.925 [Xe] 4f⁹6s² Tb TERBIUM | 66 162.500 [Xe] 4f¹⁰6s² Dy DYSPROSIUM | 67 164.930 [Xe] 4f¹¹6s² Ho HOLMIUM | 68 167.259 [Xe] 4f¹²6s² Er ERBIUM | 69 168.934 [Xe] 4f¹³6s² Tm THULIUM | 70 173.04(3) [Xe] 4f¹⁴6s² Yb YTTERBIUM | 71 [Xe] 4f L LUTE |

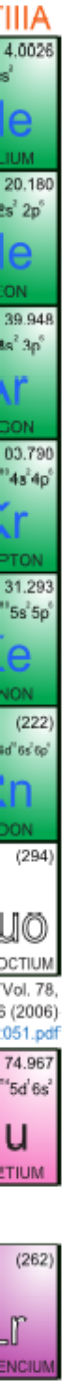
## ACTINIDES

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 89 (227) [Rn] 6d¹7s² Ac ACTINIUM | 90 232.038 [Rn] 6d²7s² Th THORIUM | 91 231.036 [Rn] 5f²6d¹7s² Pa PROTACTINIUM | 92 238.029 [Rn] 5f³6d¹7s² U URANIUM | 93 (237) [Rn] 5f⁴6d¹7s² Np NEPTUNIUM | 94 (244) [Rn] 5f⁶7s² Pu PLUTONIUM | 95 (243) [Rn] 5f⁷7s² Am AMERICIUM | 96 (247) [Rn] 5f⁷6d¹7s² Cm CURIUM | 97 (247) [Rn] 5f⁹7s² Bk BERKELIUM | 98 (251) [Rn] 5f¹⁰7s² Cf CALIFORNIUM | 99 (252) [Rn] 5f¹¹7s² Es EINSTEINIUM | 100 (257) [Rn] 5f¹²7s² Fm FERMIUM | 101 (258) [Rn] 5f¹³7s² Md MENDELEVIUM | 102 (259) [Rn] 5f¹⁴7s² No NOBELIUM | 103 [Rn] 5f L LAWRE |

(1) Pure & Applied Chemistry, No. 11, pp. 2051–2066 http://www.iupac.org/publications/pac/2006/pdf/7811x2

(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.


VIIIA
4.0026
20.180
39.948
83.790
131.293
(222)
(294)
74.967
(262)