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First 20 elements with atomic mass and atomic number

[illegible]

(1400) -- synthetic unknown phase 116 Lv Livermorium Laboratory National Laboratory in Livermore, California 16 7 p-block [293] (12.9) (700) (1100) - - - synthetic unknown phase 117 Ts Tennessee, United States, where Oak Ridge National Laboratory is located 17 7 p-block [294] (7.2) (700) (883) -- - synthetic unknown phase 118 Og Oganesson Yuri Oganessian, Russian physicist 18 7 p-block [294] (7) (325) (450) -- - synthetic unknown phase ^ a b c Standard atomic weight 1.008, regular notation: conventional, abridged value (Table 2, Table 3)[97], [1] notation: massnumber of most stable isotope ^ a b c d e f Values in () brackets are predictions ^ Density (sources) ^ Melting point in kelvin (K) (sources) ^ Boiling point in kelvin (K) (sources) ^ Heat capacity (sources) ^ Electronegativity by Pauling (source) ^ Abundance of elements in Earth's crust ^ Primordial (=Earth's origin), from decay, or synthetic ^ Phase at Standard state (25 °C [77 °F], 100 kPa) ^ Helium melting point: helium does not solidify at a pressure of 1 bar (0.99 atm). Helium can only solidify at pressures above 25 atmosphere, which corresponds to a melting point of absolute zero (0 K). ^ Arsenic: element sublimes at one atmosphere of pressure. See also Biological roles of the elements Chemical database Discovery of the chemical elements Element collecting Fictional element Goldschmidt classification Island of stability List of chemical elements List of nuclides List of the elements' densities Mineral (nutrient) Periodic Systems of Small Molecules Prices of chemical elements Systematic element name Table of nuclides Timeline of chemical element discoveries The Mystery of Matter: Search for the Elements (PBS film) References ^ IUPAC, Compendium of Chemical Terminology, 2nd ed. (the "Gold Book") (1997). Online corrected version: (2006-) "chemical element". doi:10.1351/goldbook.C01022 ^ See the timeline on p.10 in Oganessian, Yu. Ts.; Utyonkov, V.; Lobanov, Yu.; Abdullin, F.; Polyakov, A.; Sagaidak, R.; Shirokovsky, I.; Tsyganov, Yu., et al. (2006). 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