

# PERIODIC TABLE Atomic Properties of the Elements

**NIST**  
National Institute of  
Standards and Technology  
U.S. Department of Commerce

Group		Frequently used fundamental physical constants										Physics Laboratory		Standard Reference Data					Group																
1 IA		For the most accurate values of these and other constants, visit <a href="http://physics.nist.gov/constants">physics.nist.gov/constants</a> 1 second = 9 192 631 770 periods of radiation corresponding to the transition between the two hyperfine levels of the ground state of <sup>133</sup> Cs										physics.nist.gov		www.nist.gov/srd					18 VIIIA																
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## The Hubbard Chart of the Atoms, ca. 1924

Henry D. Hubbard, the designer of the “Chart of the Atoms,” was the first secretary of the National Institute of Standards and Technology (then-called the National Bureau of Standards) and served continuously in that capacity from 1901 until his retirement in 1938.

Secretary Hubbard made a contribution to instruction in physics that is still in use today, his modernization of Mendeleev’s periodic table. First constructed in the 1920s, it has been frequently revised and reprinted.

