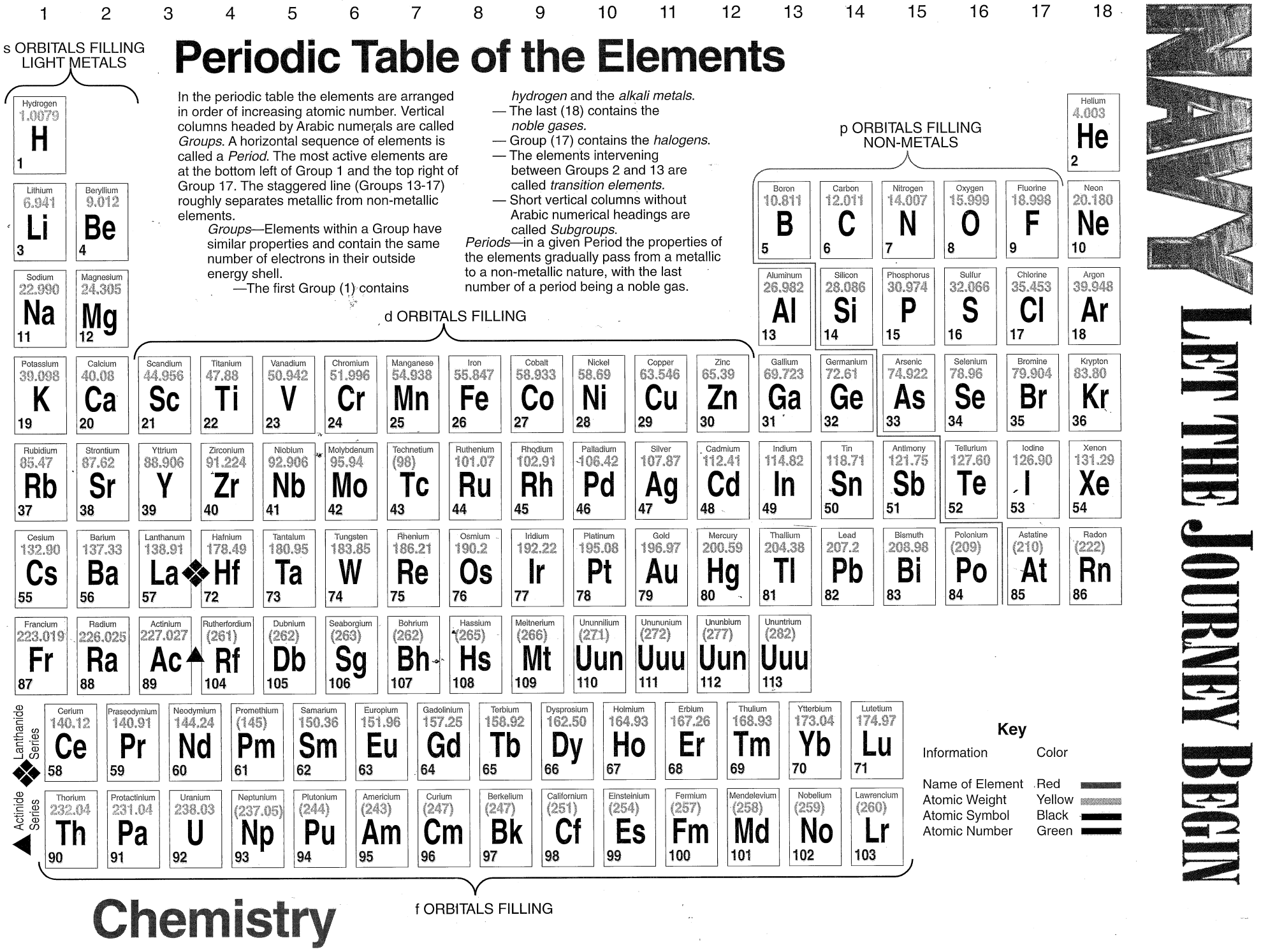
Periodic Table of the Elements



In the periodic table the elements are arranged in order of increasing atomic number. Vertical columns headed by Arabic numerals are called *Groups*. A horizontal sequence of elements is called a *Period*. The most active elements are at the bottom left of Group 1 and the top right of Group 17. The staggered line (Groups 13-17) roughly separates metallic from non-metallic elements.

Groups—Elements within a Group have similar properties and contain the same number of electrons in their outside energy shell.

—The first Group (1) contains *hydrogen* and the *alkali metals*.

— The last (18) contains the *noble gases.*

— Group (17) contains the *halogens.*

— The elements intervening between Groups 2 and 13 are called *transition elements.*

— Short vertical columns without Arabic numerical headings are called *Subgroups.*

Periods—in a given Period the properties of the elements gradually pass from a metallic to a non-metallic nature, with the last number of a period being a noble gas.

Key

Information	Color
Name of Element	Red
Atomic Weight	Yellow
Atomic Symbol	Black
Atomic Number	Green

Chemistry

NAVY LET THE JOURNEY BEGIN