

Periodic Table of the Elements

Basics

This page contains the periodic table of the elements. It is the starting point for more detailed informations about all elements. Just click on an element symbol or on the group symbol.
A little bit about the history of discovering elements can be found [here](#).

- "The layout of the periodic table demonstrates recurring ("periodic") chemical properties. Elements are listed in order of increasing atomic number (i.e., the number of [protons](#) in the atomic nucleus). Rows are arranged so that elements with similar properties fall into the same columns (groups or families).
According to quantum mechanical theories of electron configuration within atoms, each row (period) in the table corresponds to the filling of a quantum shell of electrons. There are progressively longer periods further down the table, grouping the elements into s-, p-, d- and f-blocks to reflect their electron configuration"
(Quote from Wikipedia)
- And so on. Look it up yourself if you are not familiar with the periodic table.
- The straight numbers are the groups according to the newer system, the roman numerals followed by "A" (main group elements) or "B" (transition elements) are the groups according to the older (European) system

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
IA	IIA	IIIB	IVB	VB	VIB	VIIIB	VIII			IB	IIB	IIIA	IVA	VA	VIA	VIIA	VIII
H																	He
Li	Be											B	C	N	O	F	Ne
Na	Mg											Al	Si	P	S	Cl	Ar
K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr
Rb	Sr	Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	J	Xe
Cs	Ba	La	Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi	Po	At	Rn
Fr	Ra	Ac															

Lanthanoids and Actinoids

La	Ce	Pr	Nd	Rm	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu
Ac	Th	Pa	U	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No	Lw