

File Help

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	I	Xe
Cs	Ba	Lu	Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi	Po	At	Rn
Fr	Ra	Lr	Rf	Db	Sg	Bh	Hs	Mt	Uun	Uuu	Uub	Uut	Uuq	Uup	Uuh	Uus	Uuo
		La	Ce	Pr	Nd	Pm	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb		
		Ac	Th	Pa	U	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No		

## Gallium

- X

Name:	Gallium
Symbol:	Ga
Atomic Number:	31
Atomic Weight (u.m):	69.723
Density (g/cm <sup>3</sup> ):	5.91
Melting Point (K):	302.93
Boiling Point (K):	2676
Atomic Radius (pm):	141
Covalent Radius (pm):	126
Ionic Radius (pm):	62 (+3e) 81 (+1e)
Atomic Volume (cm <sup>3</sup> /mol):	11.8
Specific Heat (@20°C J/g mol):	0.372
Fusion Heat (kJ/mol):	5.59
Evaporation Heat (kJ/mol):	270.3
Thermal Conductivity (@25°C W/m K):	28.1
Debye temperature (K):	240.00
Pauling Negativity Number:	1.81
First Ionizing Energy (kJ/mol):	578.7
Oxidation states:	3
Electronic Configuration:	[Ar] 3d <sup>10</sup> 4s <sup>2</sup> 4p <sup>1</sup>
Lattice structure:	ORC
Lattice constant (Å):	4.510
Lattice c/a ratio:	n/a
Appearance:	Soft, blue-white metal
Discovery date:	1875 (France)
Discovered by:	Paul-Emile Lecoq de Boisbaudran
Named after:	Latin: Gallia (France).


