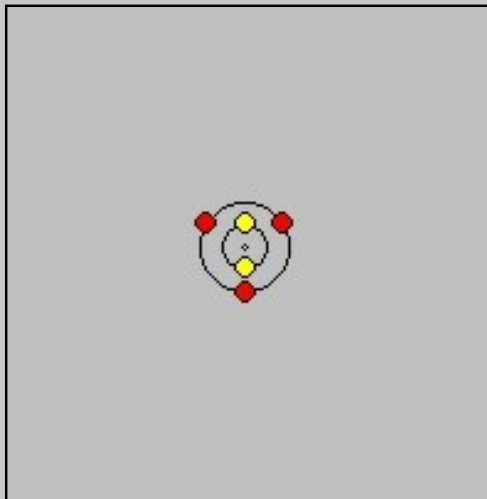


B	Al	Ga	In	Tl	Uut	Uht	But
5	13	31	49	81	113	163	213

Boron



Symbol	B
Atomic Number	5
Relative Atomic Mass $^{12}\text{C} = 12.0000$	10.811
Atomic Radius pm	88
First Ionisation Energy kJ mol^{-1}	800.6
Ionization energy (eV)	8,2980
Electronegativity	2.04
Density kg m^{-3}	2340 (² -rhomb.) [293 K]
Molar Volume cm^3	4.62
Thermal Conductivity $\text{W m}^{-1} \text{K}^{-1}$	27.0 [300 K]
Melting Point K	2573
Boiling Point K	3931
Number of Isotopes	6
Inner + outer Shells	1 + 1 = 2
Inner + outer Orbitals	2 + 3 = 5
Filling Orbital	2p ¹
Ground State Electron Configuration	[He] 2s ² 2p ¹



2, 3

Ground State Electron Configuration with free Orbitals (n= 5)	
0, 5	

Ground State Electron Configuration with compressed Orbitals (n=0)

0, 0



Singularity

10 = 2 + 3 + 5 + 0

	s	p	d	f	g	h	i	j
1	2							
2	2	1	5					
3								
4								
5								
6								
7								
8								

Term Symbol

2P_{1/2}

Discovery

Discovered by L.J. Thenard and L.J. Lussac (Paris, France) and Sir H. Davey (London, England) in 1808

Name Derived From

Arabic buraq