Name : Boron

Symbol : B

Atomic number (Z) : 5

Atomic mass : 10.81

Group : 13

Period : 2

block : p

Color : Black

Phase : solid

Oxidation states : 3, 2, 1, -1, -5

Electronegativity : Pauling scale: 2.04

Melting point : 2349 K (2076 °C, 3769 °F)

Boiling point : 4200 K (3927 °C, 7101 °F)

Density at stp : 2.08 g/cm3

Triple point :

Critical point :

Heat of fusion : 50.2 kJ/mol

Heat of vaporization : 508 kJ/mol

Molar heat capacity : 11.087 J/(mol•K)

Ionization energies : 8.298 eV

Covalent radius : 84±3 pm

Van der Waals radius : 192 pm

Speed of sound : 16,200 m/s (at 20 °C)

Crystal structure : rhombohedral

Magnetic ordering : diamagnetic

Discovery : Joseph Louis Gay-Lussac and Louis Jacques Thénard (30 June 1808)

Named by : Humphry Davy (9 July 1808)