Name : Silicon

Symbol : Si

Atomic number (Z) : 14

Atomic mass : 28.085

Group : 14

Period : 3

block : p

Color : Gray

Phase :solid

Oxidation states : 4, 3, 2, 1, -1, -2, -3, -4

Electronegativity : Pauling scale: 1.90

Melting point : 1687 K (1414 °C, 2577 °F)

Boiling point : 3538 K (3265 °C, 5909 °F)

Density at stp : 2.3290 g/cm3

Triple point :

Critical point :

Heat of fusion : 50.21 kJ/mol

Heat of vaporization : 383 kJ/mol

Molar heat capacity : 19.789 J/(mol•K)

Ionization energies : 1st: 786.5 kJ/mol

Covalent radius : 111 pm

Van der Waals radius : 210 pm

Speed of sound : 8433 m/s (at 20 °C)

Crystal structure : face-centered diamond-cubic

Magnetic ordering : diamagnetic

Discovery : Jons Jacob Berzelius

Named by : Thomas Thomson (1817)