Name : Germanium

Symbol : Ge

Atomic number (Z) : 32

Atomic mass : 72.630

Group : 14

Period : 4

block : p

Color : Gray

Phase :solid

Oxidation states : 4, 3, 2, 1, 0, -1, -2, -3, -4

Electronegativity : Pauling scale: 2.01

Melting point : 1211.40 K (938.25 °C, 1720.85 °F)

Boiling point : 3106 K (2833 °C, 5131 °F)

Density at stp : 5.323 g/cm3

Triple point :

Critical point :

Heat of fusion : 36.94 kJ/mol

Heat of vaporization : 334 kJ/mol

Molar heat capacity : 23.222 J/(mol•K)

Ionization energies : 1st: 762 kJ/mol

Covalent radius : 122 pm

Van der Waals radius : 211 pm

Speed of sound : 5400 m/s (at 20 °C)

Crystal structure : face-centered diamond-cubic

Magnetic ordering : diamagnetic

Discovery : Clemens Winkler (1886)

Naming : after Germany, homeland of the discoverer