Name : Rubidium

Symbol : Rb

Atomic number (Z) : 37

Atomic mass : 85.4678

Group : 1

Period : 5

block : s

Color : Silver

Phase : Solid

Oxidation states : +1, -1

Electronegativity : Pauling scale: 0.82

Melting point : 312.45 K (39.30 °C, 102.74 °F)

Boiling point : 961 K (688 °C, 1270 °F)

Density at stp : 1.532 g/cm3

Triple point : 312.41 K, ? kPa

Critical point : 2093 K, 16 MPa

Heat of fusion : 2.19 kJ/mol

Heat of vaporization : 69 kJ/mol

Molar heat capacity : 31.060 J/(mol•K)

Ionization energies : 1st: 403 kJ/mol

Covalent radius : 220±9 pm

Van der Waals radius : 303 pm

Speed of sound : 1300 m/s (at 20 °C)

Crystal structure : body-centered cubic (bcc

Magnetic ordering : diamagnetic

Discovery : Robert Bunsen and Gustav Kirchhoff (1861

Named by :