Name : Krypton

Symbol : Kr

Atomic number (Z) : 36

Atomic mass : 83.798

Group : 18

Period : 4

block : p

Color : Colorless

Phase : Gas

Oxidation states : 2, 1, 0

Electronegativity : Pauling scale: 3.00

Melting point : 115.78 K (-157.37 °C, -251.27 °F)

Boiling point : 119.93 K (-153.415 °C, -244.147 °F)

Density at stp : 3.749 g/L

Triple point : 115.775 K, 73.53 kPa

Critical point : 209.48 K, 5.525 MPa

Heat of fusion : 1.64 kJ/mol

Heat of vaporization : 9.08 kJ/mol

Molar heat capacity : 20.95 J/(mol•K)

Ionization energies : 1st: 1350.8 kJ/mol

Covalent radius : 116±4 pm

Van der Waals radius : 202 pm

Speed of sound : (gas, 23 °C) 220 m•s-1

(liquid) 1120 m/s

Crystal structure : face-centered cubic (fcc)

Magnetic ordering : diamagnetic

Discovery : William Ramsay

Named by :