Name : Potassium

Symbol : K

Atomic number (Z) :K

Atomic mass : 39.0983

Group : 1

Period : 4

block : s

Color : Silver

Phase :solid

Oxidation states : +1, -1

Electronegativity : Pauling scale: 0.82

Melting point : 336.7 K (63.5 °C, 146.3 °F)

Boiling point : 1032 K (759 °C, 1398 °F)

Density at stp : 0.862 g/cm3

Triple point :

Critical point : 2223 K, 16 MPa

Heat of fusion : 2.33 kJ/mol

Heat of vaporization : 76.9 kJ/mol

Molar heat capacity : 29.6 J/(mol•K)

Ionization energies : 1st: 418.8 kJ/mol

Covalent radius : 203±12 pm

Van der Waals radius : 275 pm

Speed of sound : 2000 m/s (at 20 °C)

Crystal structure : body-centered cubic (bcc)

Magnetic ordering : paramagnetic

Discovery : Humphry Davy (1807)

Named by :