Name :Molybdenium

Symbol : Mo

Atomic number (Z) : 42

Atomic mass : 95.95

Group : 6

Period : 5

block : d

Color : Gray

Phase :solid

Oxidation states : 6, 5, 4, 3, 2, 1, -1, -2, -4

Electronegativity : Pauling scale: 2.16

Melting point : 2896 K (2623 °C, 4753 °F)

Boiling point : 4912 K (4639 °C, 8382 °F)

Density at stp : 10.28 g/cm3

Triple point :

Critical point :

Heat of fusion : 37.48 kJ/mol

Heat of vaporization : 598 kJ/mol

Molar heat capacity : 24.06 J/(mol•K)

Ionization energies : 1st: 684.3 kJ/mol

Covalent radius : 154±5 pm

Van der Waals radius :

Speed of sound : 5400 m/s (at r.t.)

Crystal structure : body-centered cubic (bcc)

Magnetic ordering : paraamagnetic

Discovery : Carl Wilhelm Scheele (1778)

Named by :