Name : Iron

Symbol : Fe

Atomic number (Z) : 26

Atomic mass : 55.845

Group : 8

Period : 4

block : d

Color : Gray

Phase :solid

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

Electronegativity : Pauling scale: 1.83

Melting point : 1811 K (1538 °C, 2800 °F)

Boiling point : 3134 K (2862 °C, 5182 °F)

Density at stp : 7.874 g/cm3

Triple point :

Critical point :

Heat of fusion : 13.81 kJ/mol

Heat of vaporization : 340 kJ/mol

Molar heat capacity : 25.10 J/(mol•K)

Ionization energies : 1st: 762.5 kJ/mol

Covalent radius : Low spin: 132±3 pm

High spin: 152±6 pm

Van der Waals radius :

Speed of sound : 5120 m/s (at r.t.) (electrolytic)

Crystal structure : body-centered cubic (bcc)

Magnetic ordering : ferromagnetic

Discovery : before 5000 BC

Named by :