Name : Sulfur

Symbol : S

Atomic number (Z) : 16

Atomic mass : 32.06

Group : 16

Period : 3

block : p

Color : Yellow

Phase :solid

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

Electronegativity : Pauling scale: 2.58

Melting point : 388.36 K (115.21 °C, 239.38 °F)

Boiling point : 717.8 K (444.6 °C, 832.3 °F)

Density at stp : alpha: 2.07 g/cm3

beta: 1.96 g/cm3

gamma: 1.92 g/cm3

Triple point :

Critical point : 1314 K, 20.7 MPa

Heat of fusion : mono: 1.727 kJ/mol

Heat of vaporization : mono: 45 kJ/mol

Molar heat capacity : 22.75 J/(mol•K)

Ionization energies : 1st: 999.6 kJ/mol

Covalent radius : 105±3 pm

Van der Waals radius : 180 pm

Speed of sound :

Crystal structure : orthorhombic

Magnetic ordering : diamagnetic

Discovery : Chinese

Named by :