Name : Copper

Symbol : Cu

Atomic number (Z) : 29

Atomic mass : 63.546

Group : 11

Period : 4

block : d

Color : Copper

Phase : solid

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

Electronegativity : Pauling scale: 1.90

Melting point : 1357.77 K (1084.62 °C, 1984.32 °F)

Boiling point : 2835 K (2562 °C, 4643 °F)

Density at stp : 8.96 g/cm3

Triple point :

Critical point :

Heat of fusion : 13.26 kJ/mol

Heat of vaporization : 300.4 kJ/mol

Molar heat capacity : 24.440 J/(mol•K)

Ionization energies : 1st: 745.5 kJ/mol

Covalent radius : 132±4 pm

Van der Waals radius : 140 pm

Speed of sound : 3810 m/s (at r.t.)

Crystal structure : face-centered cubic (fcc)

Magnetic ordering : diamagnetic

Discovery : Middle East (9000 BCE)

Nameing: after Cyprus, principal mining place in Roman era (Cyprium)