Name : Niobium

Symbol : Nb

Atomic number (Z) : 41

Atomic mass : 92.90637

Group : 5

Period : 5

block : d

Color : Gray

Phase :solid

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

Electronegativity : Pauling scale: 1.6

Melting point : 2750 K (2477 °C, 4491 °F)

Boiling point : 5017 K (4744 °C, 8571 °F)

Density at stp : 8.57 g/cm3

Triple point :

Critical point :

Heat of fusion : 30 kJ/mol

Heat of vaporization : 689.9 kJ/mol

Molar heat capacity : 24.60 J/(mol•K)

Ionization energies : 1st: 652.1 kJ/mol

Covalent radius : 164±6 pm

Van der Waals radius :

Speed of sound : 3480 m/s (at 20 °C)

Crystal structure : body-centered cubic (bcc)

Magnetic ordering : paramagnetic

Discovery : Charles Hatchett (1801)

Naming : after Niobe in Greek mythology, daughter of Tantalus (tantalum)