Name : Technetium

Symbol : Tc

Atomic number (Z) : 43

Atomic mass : 98

Group : 7

Period : 5

block : d

Color : Silver

Phase :solid

Oxidation states : 7, 6, 5, 4, 3, 2, 1, -1, -3

Electronegativity : Pauling scale: 1.9

Melting point : 2430 K (2157 °C, 3915 °F)

Boiling point : 4538 K (4265 °C, 7709 °F)

Density at stp : 11 g/cm3

Triple point :

Critical point :

Heat of fusion : 33.29 kJ/mol

Heat of vaporization : 585.2 kJ/mol

Molar heat capacity : 24.27 J/(mol•K)

Ionization energies : 1st: 702 kJ/mol

Covalent radius : 147±7 pm

Van der Waals radius :

Speed of sound : 16,200 m/s (at 20 °C)

Crystal structure : hexagonal close-packed (hcp)

Magnetic ordering : paramagnetic

Discovery and first isolation : Emilio Segrè and Carlo Perrier (1937)

Named by :