Name : Palladium

Symbol : Pd

Atomic number (Z) : 46

Atomic mass : 106.42

Group : 10

Period : 5

block : d

Color : Silver

Phase : Solid

Oxidation states : 0, +1, +2, +3, +4, +5, +6

Electronegativity : Pauling scale: 2.20

Melting point : 1828.05 K (1554.9 °C, 2830.82 °F)

Boiling point : 3236 K (2963 °C, 5365 °F)

Density at stp : 12.023 g/cm3

Triple point :

Critical point :

Heat of fusion : 16.74 kJ/mol

Heat of vaporization : 358 kJ/mol

Molar heat capacity : 25.98 J/(mol•K)

Ionization energies : 1st: 804.4 kJ/mol

Covalent radius : 139±6 pm

Van der Waals radius : 163 pm

Speed of sound : 3070 m/s (at 20 °C)

Crystal structure : face-centered cubic (fcc)

Magnetic ordering : paramagnetic

Discovery : William Hyde Wollaston (1803)

Naming : after asteroid Pallas, itself named after Pallas Athena