

Ru

44

RUTHENIUM

101.07

12.45

5×10^{-7}

1.34

$4d^7 5s^1$



+8 0.50

+6 0.71

+4 0.76

+3 0.82

1.gMn,eCo

**2.V,Nb,Ta,Cr,Mo,
W,Mn,Fe,Rh,Ir,Ni,Pd,Pt,Au,Si,
H,U**

**3.Ag,Au,aCo;a,g,dFe,Ir,Mo,Nb;
a,b,gMn,Mo,Nb,Ni,Pt,Ta,V,W,
Be,Cr,Pd,Pu;a,b,gU,Cu**

**4.Be,Sc,Y,La,Ti,Zr,Th,V,Nb,Ce,
Dy,Er,Ga,Gd,Hf,Ho,Lu,Nd,Pr,
Ta,Cr,Mo,W,U,B,Al,Si,Ge,Sn,
P,As,Sb,O,S,Se,Te,C,Pu,Sm**

**5.Be,P,Si,B,C,Fe,Mo,Pu,Sb,
Th,W,La**

6.Pb,Bi