

# Hf

# 72

## HAFNIUM

**178.49**

$4 \cdot 10^{-4}$

**1.59**

**13.31**

$5d^2 6s^2$

**7.0**

**b**



**+4**

**0.82**

**a**



**+3**

**+2**

**1.** Ti, Zr, Nb(b), Ta(b), gU(b)

**2.** Y, Th, V, Mo, W, Re(a), Fe, B(a, b),  
Ge(a, b), Pu(a), Sn(a), U(b), Al, C,  
O, H, Co, N(a), Si(a, b)

**3.** W, Al, Co, Cu, aFe, Mo, Ni, ePu,  
Th(a, b); a, bU, Y, V

**4.** Be, V, Cr, Mo, W, Mn, Tc, Re, Fe,  
Ir, Os, Pd, Pt, Ph, Ru, Sn, Ta(a), Co,  
Ni, Cu, Au, B, Al, C, Si, Ge, Te, N, O,  
H, S, Se

**5.** Ta, Al, B, Be, C, Co, Fe, Ge, Mo,  
O, Re, Si, Th, U, V, Y

**6.** Mg

**HfH<sub>1.7-2</sub>** 