

Mn 25

MANGANESE

54.9380

0.1

1.12

7.44

$3d^5 4s^2$

7.435

d 

g 

+7 (0.39)

b 

a 

+4 (0.52)

+2 0.80

1. Ru(g), gFe(g), Co(g), Ni(g), Cu(g), Pt(g),

2. Y, Ti, Zr, V, Nb, Ta, Cr, Mo, U, Re, Fe(a, d, b), Ru(a, d, b), Co(a, b), Rh, Ir, Ni(a, b), Pd, Pt(a, b), Ag, Au, Zn, Al, In, C, Si, Ge, N, Sb, H, Sn, As, Ce

3. Mo, Pd, Pt, Rh, Ru, Th; a, bTi, U, V, Zn, bZr; a, dFe, Hg, Ir, Mg, Ag, Al, Au, Cr, Co(a), Cu, Pb, Pu

4. Be, Sc, Y, Ti, Zr, Hf, Th, V, Nb, Ta, Cr, U, Re, Co, Rh, Ir, Ni, Pd, Pt, Cu, Au, Zn, Hg, B, Al, Ga, In, Pu, Tb, Tm, C, Si, Ge, Sn, N, P, As, Sb, Bi, O, S, Pu, Th, Gd, Dy, Er, Ho, Lu, Nd, Se, Te, H

5. P, Pd, Pu, S, Sb, Si, Th, Ti, U, Zn, Zr, Ge, La, As, Au, Bi, Ce, Dy, Nb, Pb

6. W, Ti

