

Table I-7. $(\Delta G_f^o M_2 S_z - \Delta G_f^o M_2 O_z) / z$ values (kcal/mole) for B-type and transition metal cations

	n=3				n=4				n=5			
	z=1	2	3	4	z=1	2	3	4	z=1	2	3	4
nd ¹		Sc	Ti									
			55									
nd ²		Ti	V					Mo				W
		53	51					37				41
nd ³		V	Cr					Tc				Re
		48	58					20				24
nd ⁴								Ru				Os
								8				8
nd ⁵		Mn	Fe									Ir
		37	39									-1
nd ⁶		Fe					Rh				Ir	Pt
		34					-4				-3	-3
nd ⁷		Co										
		31										
nd ⁸		Ni				Pd				Pt		
		32				-1				-8		
nd ⁹		Cu										
		17										
nd ¹⁰	Cu	Zn	Ga	Ge	Ag	Cd	In	Sn	Au	Hg		
	11	28	38	43	-7	18	33	42		2		
nd ^{10s1}									Hg			
									7			
nd ^{10s2}		Ge	As			Sn	Sb		Tl	Pb	Bi	
		33	35			31	34		13	22	28	

Thermodynamic data are mainly from Dean (1985), Karapet'yants and Karapet'yants (1970), Mills (1974), and Wagman et al. (1982).