Superconductivity Transition Temperatures

TABLE 12.8
Superconductivity transition temperatures of the elements†

Element	T_c, K
Al	1.140
Ti	0.39
V	5.38
Zn	0.875
Ga	1.091
Zr	0.546
Nb	9.50
Mo	0.92
Tc	7.77
Ru	0.51
Cd	0.56
In	3.404
Sn(w)	3.722
La(ccp)	6.00
Lu	0.1
Hf	0.12
Ta	4.483
W	0.012
Re	1.4
Os	0.655
Ir	0.14
Hg(α)	4.153
Tl	2.39
Pb	7.193
Th	1.368
Pa	1.4

† C. Kittel, "Introduction to Solid State Physics," 5th ed., Wiley, New York, 1976.

TABLE 12.9
Superconductivity transition temperatures of some compounds

Compound	T_c, K
$(SN)_x$	0.26
TiO	1
TiC	1.15
WC	1.28
ϵ-TaN	1.8
Mo_2C	2.78
Ti_2Co	3.44
TiN	4.8
Mo_2N	5.0
VN	7.5
ZrN	9
TaC	9.7
La_3In	10.4
NbC	11.1
$LiTi_2O_4$	13
NbN	16.0
V_3Ga	16.5
V_3Si	17.1
Nb_3Al	17.5
δ-TaN	17.8
Nb_3Sn	18.05
Nb_3Ge	23.2
$(La, Ba)_2CuO_4$	35
$YBa_2Cu_3O_7$	95
$Tl_2Ba_2Ca_2Cu_3O_{10}$	120