

# Semiconductor Band Gaps ( $E_g$ )

**TABLE 13.1**  
**Band gaps of some semiconductors**

Compound	$E_g$ , at 0 K, eV	Compound	$E_g$ , at 0 K, eV
$\alpha$ -Sn	0.0	CdTe	1.6
InSb	0.2	Se	1.8†
PbTe	0.2	Cu <sub>2</sub> O	2.2
Te	0.3	InN	2.4
PbS	0.3	CdS	2.6
InAs	0.4	ZnSe	2.8
ZnSb	0.6	GaP	2.88
Ge	0.7	ZnO	3.4
GaSb	0.8	SrTiO <sub>3</sub>	3.4
Si	1.1	ZnS	3.9
InP	1.3	AlN	4.6
GaAs	1.5	Diamond	5.4
		BP	6.0

† 300 K.