

Table I-10. Crystal lattice energies of oxides ( $M_mO_n$ ) per one oxygen as calculated by the Bonn-Haber cycle. All are in unit of kJ/mol oxygen.

Oxides	$\Delta H_L^\circ / n$	Oxides	$\Delta H_L^\circ / n$	Oxides	$\Delta H_L^\circ / n$	Oxides	$\Delta H_L^\circ / n$
Ag <sub>2</sub> O	2930	Eu <sub>2</sub> O <sub>3</sub>	4220	MoO <sub>2</sub>	6160	SnO	3570
Al <sub>2</sub> O <sub>3</sub>	5060	FeO	3860	MoO <sub>3</sub>	8600	SnO <sub>2</sub>	5800
As <sub>2</sub> O <sub>3</sub>	4830	Fe <sub>2</sub> O <sub>3</sub>	4920	Na <sub>2</sub> O	2490	SrO	3230
B <sub>2</sub> O <sub>3</sub>	6260	Fr <sub>2</sub> O	2120	NbO	4040	Tb <sub>2</sub> O <sub>3</sub>	4270
BaO	3060	Ga <sub>2</sub> O <sub>3</sub>	5090	NbO <sub>2</sub>	5700	ThO <sub>2</sub>	4980
BeO	4450	GeO	3750	Nd <sub>2</sub> O <sub>3</sub>	4150	TiO	3840
Bi <sub>2</sub> O <sub>3</sub>	4690	GeO <sub>2</sub>	6330	NiO	4020	Ti <sub>2</sub> O <sub>3</sub>	4760
CaO	3410	HfO <sub>2</sub>	5510	Ni <sub>2</sub> O <sub>3</sub>	5240	TiO <sub>2</sub>	5970
CdO	3730	HgO	3830	P <sub>2</sub> O <sub>3</sub>	5075	Tl <sub>2</sub> O	2580
Ce <sub>2</sub> O <sub>3</sub>	4090	Ho <sub>2</sub> O <sub>3</sub>	4310	P <sub>2</sub> O <sub>5</sub>	8010	Tl <sub>2</sub> O <sub>3</sub>	4710
CeO <sub>2</sub>	5160	In <sub>2</sub> O <sub>3</sub>	4720	PbO	3440	Tm <sub>2</sub> O <sub>3</sub>	4340
CoO	3930	K <sub>2</sub> O	2240	PbO <sub>2</sub>	5760	VO	3870
Cr <sub>2</sub> O <sub>3</sub>	5000	La <sub>2</sub> O <sub>3</sub>	4050	PdO	4000	V <sub>2</sub> O <sub>3</sub>	4870
Cs <sub>2</sub> O	2120	Li <sub>2</sub> O	2820	Rb <sub>2</sub> O	2180	VO <sub>2</sub>	6180
Cu <sub>2</sub> O	3210	Lu <sub>2</sub> O <sub>3</sub>	4370	ReO <sub>2</sub>	5550	V <sub>2</sub> O <sub>5</sub>	7660
CuO	4070	MgO	3800	Rh <sub>2</sub> O <sub>3</sub>	4970	Y <sub>2</sub> O <sub>3</sub>	4300
Dy <sub>2</sub> O <sub>3</sub>	4280	MnO	3760	Sc <sub>2</sub> O <sub>3</sub>	4590	ZnO	3980
Er <sub>2</sub> O <sub>3</sub>	4330	Mn <sub>2</sub> O <sub>3</sub>	5020	SiO <sub>2</sub>	6520	ZrO <sub>2</sub>	5450
EuO	3260	MnO <sub>2</sub>	6470	Sm <sub>2</sub> O <sub>3</sub>	4190		

Thermodynamic data sources are the same as in Table I-7.