

Table 4.2 Lunar Minerals.

Common and abundant species	
Clinopyroxenes	$(\text{CaMgFe})_2\text{Si}_2\text{O}_6$
including Augite	
Sub-calcic augite	
Titanaugite	
Hedenbergite-ferrohedenbergite	
Pigeonite	
Orthopyroxenes*	$\text{MgSiO}_3\text{-FeSiO}_3$
Plagioclase feldspar	$(\text{An})\text{CaAl}_2\text{Si}_2\text{O}_8\text{-NaAlSi}_3\text{O}_8(\text{Ab})$
Ilmenite	FeTiO_3
Olivine	$(\text{Fo})\text{Mg}_2\text{SiO}_4\text{-Fe}_2\text{SiO}_4(\text{Fa})$

Important accessory minerals	
Apatite	$\text{Ca}_5(\text{PO}_4)_3(\text{F,Cl})$
Armstrongite	$(\text{FeMg})\text{Ti}_2\text{O}_5$
Baddeleyite	ZrO_2
Chromite	FeCr_2O_4
Cristobalite	SiO_2
Iron-Nickel	FeNi
Potassium Feldspar	KAlSi_3O_8
Pyroxferroite	$\text{CaFe}_6(\text{SiO}_3)_7$
Spinel	MgAl_2O_4
Tranquillityite	$\text{Fe}_8(\text{Zr, Y})_2\text{Ti}_3\text{Si}_3\text{O}_{24}$
Tridymite	SiO_2
Troilite	FeS
Whitlockite	$\text{Ca}_9\text{MgH}(\text{PO}_4)_7$
Zirconolite	$\text{CaZrTi}_2\text{O}_7$