

### Summary Chart – Silicate Minerals

<b>Mineral Name or Group</b>	<b>Common Variety</b>	<b>Silicate Structure</b>	<b>Major Cations</b>	<b>Ferromagnesian</b>
Olivine		Isolated Tetrahedra	Fe, Mg	Yes
Pyroxene	Augite	Single chain	Fe, Mg, Ca	Yes
Amphibole	Hornblende	Double chain	Fe, Mg, Ca, Na, K, Al	Yes (those with Mg and Fe)
Micas	Biotite	Sheet	Mg, Fe, K, Al	Yes
	Muscovite	Sheet	K, Al	No
Feldspars	K-feldspar (Orthoclase)	Framework	K, Al	No
	Plagioclase	Framework	Ca, Na, Al	No
Quartz		Framework	Si (Formula SiO <sub>2</sub> )	No