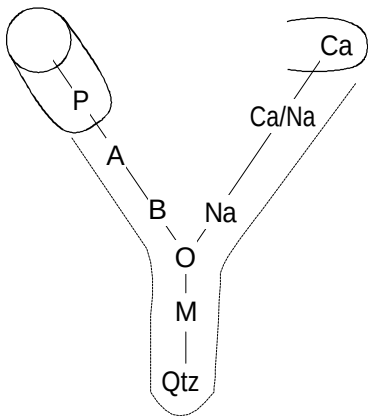


A Normative (Suite) Classification Of Igneous Rocks



	FRACTIONATION		SEQUENCE	
	Komatiite Suite	Tholeiite Suite	Calcalkaline Suite	Alkaline Suite
Silica Saturation	Over Saturated	Over Saturated	Over Saturated 56-61%	Under Saturated <51%
Iron Enrichment	Low Fe; High Mg, Ni, Cr	Iron Enriched	Not Iron Enriched	Iron Poor
Alkali index CaNa/K ratio	> 1	> 1	1	< 1
Typical Rocks	Peridotite Basalt Andesite	Basalt	Diorite Monzonite Plagiogranite Ryolites	Alkali basalt Alkali granite Syenite Sodalites
Tectonic Location	Archaean rifting sites	Rifting sites	Subduction zones; volcanic arcs	Many situations; rifts, hotspots volcanic arcs

