Source/Melting conditions				Type of magmas		Context
Mantle	**Dry peridotite**	z < 50	F > 20	Thol. Basalts → plagiogranites *MORB, OIT, CFB, IAT*	Thol	Subduction, Mid-ocean ridge, intraplate
		50 < z < 100	F ≈ 5-10	Alk. Basalts *OIB*	Alk	Intraplate (Oc.)
		100 < z < 150	F < 5	Basanites	Alk	Continental rift, Intraplate (cont.)
		z > 150	F < 5	Kimberlites etc.	Alk	Intraplate (cont.)
	"Wet" peridotite	Amphibole-bearing		B/BA → A → D → R (I type granites)	CA	Subduction
		Phlogopite-bearing		Alkali basalt → Rhyolites ("shoshonites")	Alk	Subduction
Crust	**Continental**	Upper	Sediments	S-type granites / rhyolites	(CA)	Collision
			Granitoids	I-type granites / rhyolites	(CA)	Collision
		Lower	Felsic	A-type granites / rhyolites	Alk	Intraplate (cont.), continental rift, post-collision
			Mafic	Diorites & Tonalites → Plagiogranites (= trondhjemites)	CA	Subduction, collision
	Oceanic		Amphibolites	Tonalites → Plagiogranites (= trondhjemites)	CA	Subduction

"→" means differenciates to, and denotes a magmatic series
Alk = alkaline
Thol = Tholeitic
CA = Calc-alkaline