

Magma Types

	Mafic (basaltic)	Intermediate (andesitic)	Felsic (rhyolitic)
SiO₂ Content	45-52%	53-65%	> 65%
typ. intrusive rock	Gabbro	Diorite	Granite
typ. extrusive rock	Basalt	Andesite	Rhyolite
melting temperature	>1000°C	900°C	800°C
dissolved gas	little	lots	lots
extrusive type	effusive	explosive	explosive
typical location	oc.-ocean subduction	ocean-cont subduction oc.-ocean subduction	ocean-cont. subduction
	oceanic hotspot	continental hotspot	continental hotspot
	mid-ocean ridge	continental rift	
	large igneous provinces		