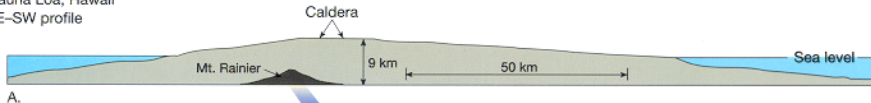
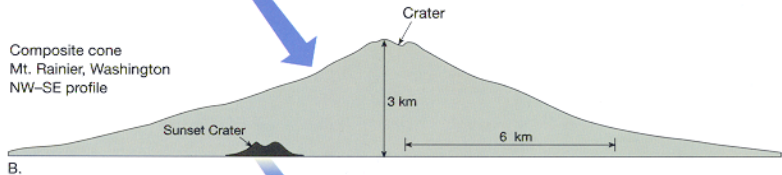


Comparing the Profiles of Three Different Volcanoes

Shield volcano
Mauna Loa, Hawaii
NE-SW profile



Composite cone
Mt. Rainier, Washington
NW-SE profile



Cinder cone
Sunset Crater, Arizona
N-S profile

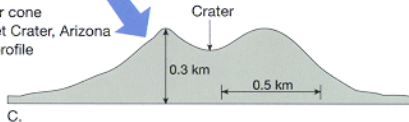


Table 7.1 ■ Variations in Properties Among Magmas of Differing compositions

Property	Basaltic magma	Andesitic magma	Granitic magma
Silica content	Least (about 50%)	Intermediate (about 60%)	Most (about 70%)
Viscosity	Least ("thinnest")	Intermediate	Greatest ("thickest")
Tendency to form lavas	Highest	Intermediate	Least
Tendency to form pyroclastics	Least	Intermediate	Greatest
Melting temperature	Highest	Intermediate	Lowest