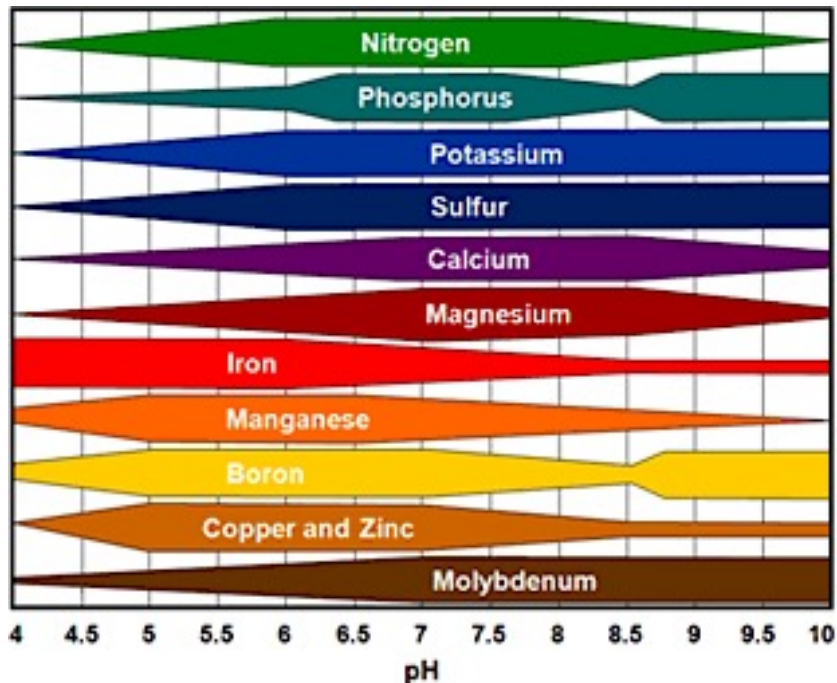


# Characteristics of Geology and Soils in the Berkeley Hills

Formation	Age (million years)	Rock types	Resistance to Weathering	pH of rock	Soil Type	pH of soil	Soil depth
Grizzly Peak	9-10	Basalt	Very High	8.5 (alkaline)	Andisol	7.5	Very Shallow (4-6")
		Rhyolite tuff	High				
Orinda	10-12	Siltstone	Very low	6.5-7.0 (slightly acid)	Vertisol	6.5	Moderately Deep (30-40")
		Sandstone	Moderate				
		Conglomerate	High				
Claremont	14-18	Chert	Very high	4.0 (very acid)	Inceptisol	5.0	Extremely shallow (1-3")
		Shale	Low				

Soil pH and Mineral Nutrient Availability



Strike and Dip of Geologic Beds

