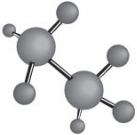




Magma Mash continued...

Table 1-Elements to Rocks

Building Blocks	Mount Rainier Examples
<p>Chemical Elements</p> 	<p>Si, Na, Ca, Al, Ti, K, O, Fe, Mg</p>
<p><i>Bond to become</i></p> <p>Minerals</p> 	<p>Olivine $(\text{Mg,Fe})_2\text{SiO}_4$</p> <p>Pyroxene $(\text{Ca,FeMg})\text{Si}_2\text{O}_6$</p> <p>Feldspar $(\text{Ca, Na, K})\text{AlSi}_3\text{O}_8$</p> <p>Amphibole $\text{Ca}_2(\text{Mg,Fe})_5\text{Si}_8\text{O}_{22}(\text{OH})_2$</p> <p>Magnetite Fe_3O_4</p> <p>Quartz SiO_2</p>
<p><i>Become</i></p> <p>Rocks</p> 	<p>Andesite 60% SiO_2: fine-grained</p> <p>Granodiorite 60% SiO_2: coarse-grained</p>

