Table 1. Initial Melt and Mineral Compositions

Elements (cations)	Color	Initial melt	Mg-Olivine Mg_2SiO_4	Fe-Olivine Fe_2SiO_4	Pyroxene $CaMgSi_2O_6$	Ca-Plag $CaAl_2Si_2O_8$	Na-Plag $NaAlSi_3O_8$	Magnetite Fe_3O_4	Quartz SiO_2
Si - silicon	orange	184	1						
Al - aluminum		70							
Fe - iron		39							
Mg - magnesium		40	2						
Ca - calcium		34							
Na - sodium		24							
Total		**391**	**3**						

Table 2. Minerals Crystallized

Minerals		Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Step 7	Step 8	Step 9	Step 10
Mg-Olivine		2	3	4	3	2					
Fe-Olivine				1	1	1	1				
Pyroxene					1	1	4	2	2	1	1
Ca-Plagioclase			1	2	3	3	4	3	3	1	1
Na-Plagioclase							1	3	6	5	7
Quartz										1	4
Magnetite						1	3	2	2	1	1
Total		**2**	**4**	**7**	**8**	**8**	**13**	**10**	**13**	**9**	**14**

Table 3. Melt Composition (# of M&M's remaining in the chamber)

Elements	Initial	Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Step 7	Step 8	Step 9	Step 10
Si - silicon	184										
Al - aluminum	70										
Fe - iron	39										
Mg - magnesium	40										
Ca - calcium	34										
Na - sodium	24										
Total	**391**										
Liq.Fraction	**1.00**										

Table 4. Melt Composition (as a percent of the total number of atoms remaining in chamber)

Elements	Initial	Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Step 7	Step 8	Step 9	Step 10
Si - silicon	47.1										
Al - aluminum	17.9										
Fe - iron	10.0										
Mg - magnesium	10.2										
Ca - calcium	8.7										
Na - sodium	6.1										
Total	**100.0**										
% Liquid	**100**										