

# Group Investigation Results

# Group Members: kyran, megan, malyn, sophie

	Beaker 1 50.47g	Beaker 2 65.46g	Beaker 3 59.13g	Chalk 1	Chalk 2	Chalk 3
Initial Mass	77.31g 80ml	77.5g 60ml/20ml	77.83g 40ml/40ml	3.51g	3.32g	3.49g
Final Mass	76.83g	76.95g	77.1g	3.63g	3.50g	3.67g
Starting Appearance	Clear, liquid, in	Clear, liquid, in	Clear, liquid, in	Hard, all white, dry, powdery substance, leaves behind residue.	Hard, all white, dry, powdery substance, leaves behind residue.	Hard, all white, dry, powdery substance, leaves behind residue.
Final Appearance/observations	Bubbling, flaking. Bubbles were released faster and moved at a quicker pace, more bubbles. As time goes on, bubbles seem to lessen but are still present, much more than in 2 or 3. solutions are no longer clear, white powder and flakes floating in beaker. Has the most flakes	Flaking, bubbling. Bubbling seems to be moving at a pace in between solutions 1 and 2. Bubbles have slowed significantly, but still are happening. solutions are no longer clear, white powder and flakes floating in beaker. Has less flakes than 1, but more than 3	Bubbling, flaking. Has the least and slowest bubbles. Seems to be less reactive than 1 but close to 2. Bubbles are still happening but much less than 1 and less than 2. solutions are no longer clear, white powder and flakes floating in beaker. Has the least flakes.	Slightly damp, almost a clay-ey texture. Darkened in color. Ridges, craters and small indents on surface of chalk.	Slightly damp, almost a clay-ey texture. Darkened in color. Ridges, craters and small indents on surface of chalk. Lines/ grooves running up and down chalk.	Suffered significant damage, same changes as earlier pieces, but with cracks forming and smaller pieces completely breaking off instead of flaking. May be due to lessened structural strength when put in water.

## Group Members: Tyler and Kaelyn

	<i>Tablet Before</i>	<i>Tablet During</i>	<i>Tablet After</i>
<i>Vinegar 100%</i>	<i>Circular, white, hard,</i>	<i>Bubbling, fizzy, frothy white, makes a fizzing noise, fast dissolving</i>	<i>Looks like carbonated water, small bubbles, it is not as clear- it is more white</i>
<i>Water 100%</i>	<i>Circular, white, hard</i>	<i>Slow dissolving, bigger bubbles, white and frothy, bubble are bigger</i>	<i>Looks carbonated, the frothing rose up the sides, looks like a huge group of small air bubbles in the bottom</i>
<i>Vinegar50% water50%</i>	<i>Circular, white, hard</i>	<i>The tab is moving around a lot, it is frothing a lot more and covering the liquid, the bubbles are going near the top of the cup</i>	<i>Carbonated water, the liquid has almost been covered by the with frothing, it looks like an underwater volcano with how much small bubbles there are, the frothing went higher and stayed up on the walls</i>

Group Members: Alex, Crow, Liam and Xander :D

# BEAKER	1	2	3	4	5
% OF VINEGAR	0%	25%	50%	75%	100%
STARTING CHALK MASS (g)	5.08	5.93	6.16	5	5.97
ENDING CHALK MASS (g)	5.43	6.5	6.16	5.4	6.14
DIFFERENCE BETWEEN CHALK MASS (g)	0.35	0.57	0	0.4	0.17

**Group Members:**

Insert a Screenshot of your group's data here: