Names: Alanna, Hailey, Megan
IV vs DV: Level of acid in the vinegar; amount of time it takes for chalk to fully dissolve (rate of erosion)

	Trial A - One beaker with 40 mL of vinegar	Trial B - Beaker with 30 mL vinegar and 10 mL water	Trial C - Beaker with 20 mL of vinegar and 20 mL water	Trial D - Beaker with 10 mL of vinegar and 30 mL of water
Mass before:	4.21	4.05	4.00	3.85
Mass after:	4.47	4.24	4.30	4.19
Difference:	It got heavier by 0.26 grams.	It got heavier by 0.19 grams.	It got heavier by 0.30 grams.	It got heavier by 0.34 grams.
Observations:	It bubbled and started to dissolve,	It bubbled and dissolved like A,	Chalk immediately begins to dissolve.	It bubbled and dissolved, but

Names: Derick, Ryan, and Landen

IV vs DV: Independent Variable: The levels of acidity
Dependent Variable: The rate in which the chalk erodes.

	Vinegar (20mL)	*Vinegar (10 mL) and Water (10mL*	*Water (20mL)*
Mass before	*5.2g*	*5.5g*	*5.8g*
Mass after	*5.6g*	*5.8g*	*6.0g*
Difference in mass	*0.4g*	*0.3g*	*0.2g*
Observations	*Like water the chalk absorbed the vinegar, caused some cracks on the surface of the chalk.*	*Absorbed the fluids again, pasty texture, and chalk just runs off it.*	*No physical change, chalk is now just wet. The water was stuck to/ absorbed by the chalk.*

Names: Bella, Joe, Damian, Austin and Megan

IV vs DV: iv= vinegar and water dv= alka seltzer tablet.

	20ml. water	*10ml. Water*	*20ml. vinegar*	*10ml. vinegar*
Time to dissolve	*1m. 40s.*	*6m. 15s.*	*2m. 18s.*	*5m. 7s.*
Observe	*It is fizzing a lot. Almost completely dissolved. Quickly dissolved. Powder at the bottom*	*Low fizzing, getting powdery. Small bubbling. Almost dissolved. Takes longer with less water more powder than last time*	*It's fizzing a lot more then the water. Bubbling. Took a slower time dissolving. No powder at bottom.*	*Still fizzing a lot more than the water. Bubbling and getting frothy. The water is a lot less clear than the waters. Is dissolving a lot more than the water. Still dissolving. Powdering more than last test.it's clear but has bubbles.*

Names: Anna Lakey, Denali Norris, Alaina Lambert
IV: Levels of acidity (amounts of vinegar and water)
DV: Rate of erosion (time of takes for tablet to dissolve

procedure	contents	Time to dissolve	observations
#1	0 ml vinegar, 40 ml water	1:18	Starts bubbling and fizzing and popping, floats to the top, after dissolved there are still a lot of bubbles in the cup, water is cloudy with white bubbles
#2	10 ml vinegar, 30 ml water	1:07	A lot louder than #1 fizzed more, it has suds/foam, after tablet dissolved bubbles still bubbled faster than the #1 after a while the bubbled disappeared
#3	20 mil vinegar, 20 ml water	58.0	Didn't start fizzing as fast as #1 and #2 but once it started it made large bubbles, lots of bubbles after dissolved
#4	30 ml vinegar, 10 ml water	1:09	Bubbles are not as big as previous samples after dissolved water was very cloudy and small bubbles
#5	40 ml vinegar, 0 ml water	1:11	A lot smaller bubbles white, some large bubbles, very cloudy, bubbles stayed