

Names: Pedro , Jacky, Justin, Caleb

iV vs DV: levels of acid was the independent variable, Time for chalk to dissolve was the dependant

	Trial 1 (30 ml of water)	Trial 2 (15 ml of water and 15 ml of vinegar)	Trial 3 (30 ml of vinegar)
Mass before	5.0g	5.0g	5.5g
Mass after	5.7g	5.3g	5.1g
Difference	Gained mass from water	Gained mass from water but it was slowly breaking	Lost mass because of the vinegar

Names: Audrey Dolley, Paige Spears, Mackenzie, Lucas Williams

IV vs DV: IV - water and vinegar levels. DV - mass of chalk after being put in liquid.

	Trial 1 - one beaker of 20 ml of water	Trail 2 - one beaker of 10 ml of water and 10ml of vinegar	Trail 3 - one beaker of 20 ml of vinegar
Mass before	5.19 grams	5.19 grams	5.19 grams
Mass after	5.31 grams	5.27 grams	5.31 grams
observations	Looks like nothing changed about	Small air bubbles are coming from	Bigger air bubbles at a faster rate in

Names: Sabrina, Amber, Hunter, John

IV vs DV: IV- amount of liquid used. DV- how mass will change over a set period of time

	<i>Trial 1- only water 30ml</i>	<i>Trial 2- mixed 15 ml of each</i>	<i>Trial 3- only vinegar 30 ml</i>
<i>Weight in beginning</i>	<i>5.90g respectively</i>	<i>5.90g respectively</i>	<i>5.90g respectively</i>
<i>Weight at the end of 3 minutes</i>	<i>Gained the most weight: 0.30g</i>	<i>Gained the second most: 0.23g</i>	<i>Gained the least weight: 0.19g</i>

Names: Jack , Will, Nick Emma

IV: the liquid either the water or vinegar DV: the way that the chalk reacted with the liquid

	<i>Trial 1- One beaker with 50 mL of water</i>	<i>Trial 2- One beaker with 25 mL of water and 25 mL of vinegar</i>	<i>Trial 3- One beaker with 50 mL of vinegar</i>
<i>Mass Before:</i>	<i>1.5 grams</i>	<i>1.5 grams</i>	<i>1.5 grams</i>
<i>Mass After:</i>	<i>2.6 grams</i>	<i>2.5 grams</i>	<i>2.5 grams</i>
<i>Length Before:</i>	<i>3.3 cm</i>	<i>3.3 cm</i>	<i>3.3 cm</i>
<i>Length After:</i>	<i>3.3 cm</i>	<i>3.3 cm</i>	<i>3.3 cm</i>
<i>Differences:</i>	<i>Gained 1.1 grams after taken out of</i>	<i>Gained 1 gram after chalk was taken out of</i>	<i>Gained 1 gram after chalk was taken out of</i>

Names: *Abigail*, Kaylee, **CALIA**, and Elliana

IV: The amount of Vinegar in the container

DV: The mass of the chalk

	50 mL of Water	25 mL of Water and 25 mL of Vinegar	50 mL of Vinegar
Mass before	3.5g	3.6g	3.7g
Mass after 10 minutes	4.0g	4.0g	4.0g
Difference of mass	+0.5g	+0.4g	+0.3g
Observations during and after the experiment	Bubbles on the chalk Pieces broke off Cracks in the chalk Darker in color	Bubbles on the chalk Darker in color	Bubbles coming off the chalk Fizzing Darker in color