



Gummy Bear Science



by, Sue Cahalane, Science Teacher, Grades PK - 4



Name _____

Gummy Bear Science

List 4 observations of the gummy bear:

Ask Questions:

Hypothesis:

Experiment:

Name _____

Gummy Bear Science

List 4 observations of the gummy bear:

mass = 2 grams

color : red

length= 2 cm

soft, gelatinous

Ask Questions:

Will gummy bears change when kept in different
solutions overnight?

Hypothesis:

I think ...

Experiment:

4 beakers: 50 mls H_2O , 50 mls H_2O + 1 tbsp. salt, 50 mls
50 mls vinegar, 50 mls H_2O + 1 tbsp. baking soda

Results:

	Original Length	Day 2 Length	Change in Length	Physical Description
+H ₂ O				
+Salt H ₂ O				
+Vinegar				
+Baking Soda				

Results:

	Original Length	Day 2 Length	Change in Length	Physical Description
+H ₂ O	2 cm	4 cm	+2 cm	Huge! No color change
+Salt H ₂ O	2 cm	2.5 cm	+0.5 cm	Slightly larger, not as soft, no color change
+Vinegar	2 cm	4.5 cm	+2.5 cm	Grew the most! Extremely fragile and soft, no color change
+Baking Soda	2 cm	3 cm	+1 cm	Slightly larger, lost color

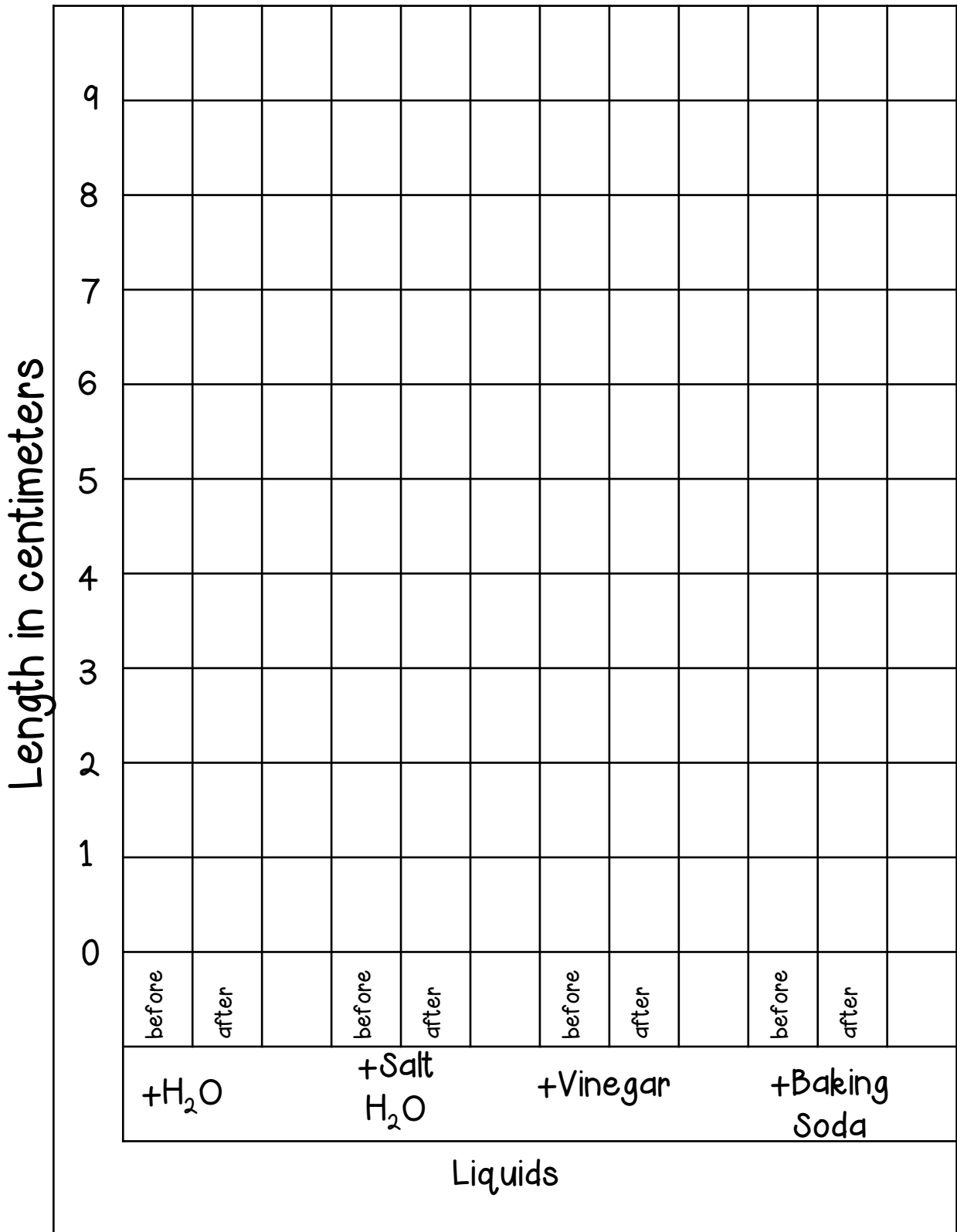
Results:

	Original Mass	Day 2 Mass	Change in Mass	Physical Description
+H ₂ O				
+Salt H ₂ O				
+Vinegar				
+Baking Soda				

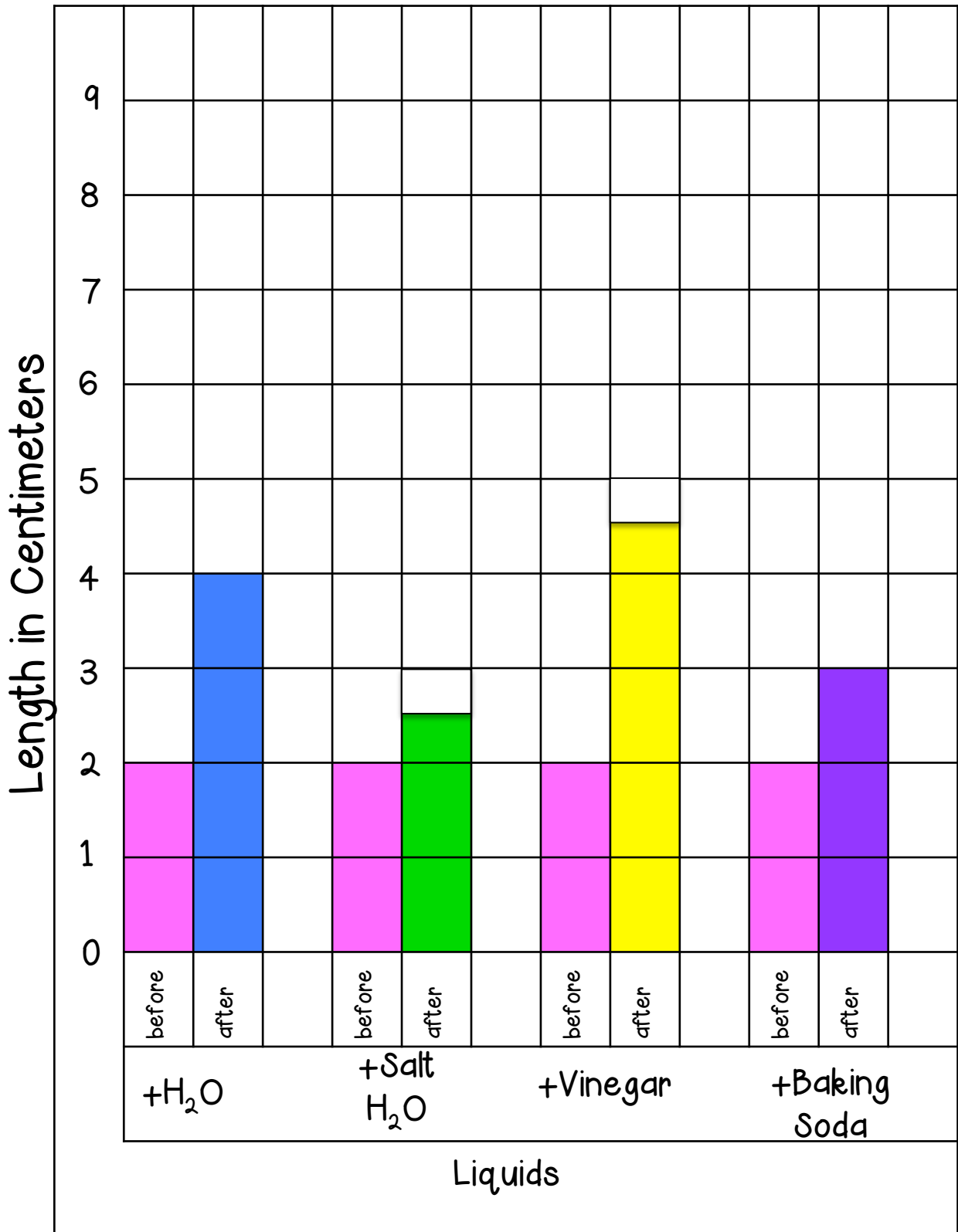
Results:

	Original Mass	Day 2 Mass	Change in Mass	Physical Description
+H ₂ O	2 g	8 g	+6 g	Huge! No color change
+Salt H ₂ O	2 g	2.5 g	+0.5 g	Slightly larger, not as soft, no color change
+Vinegar	2 g	8.5 g	+6.5 g	Grew the most! Extremely fragile and soft, no color change
+Baking Soda	2 g	3 g	+1 g	Slightly larger, lost color

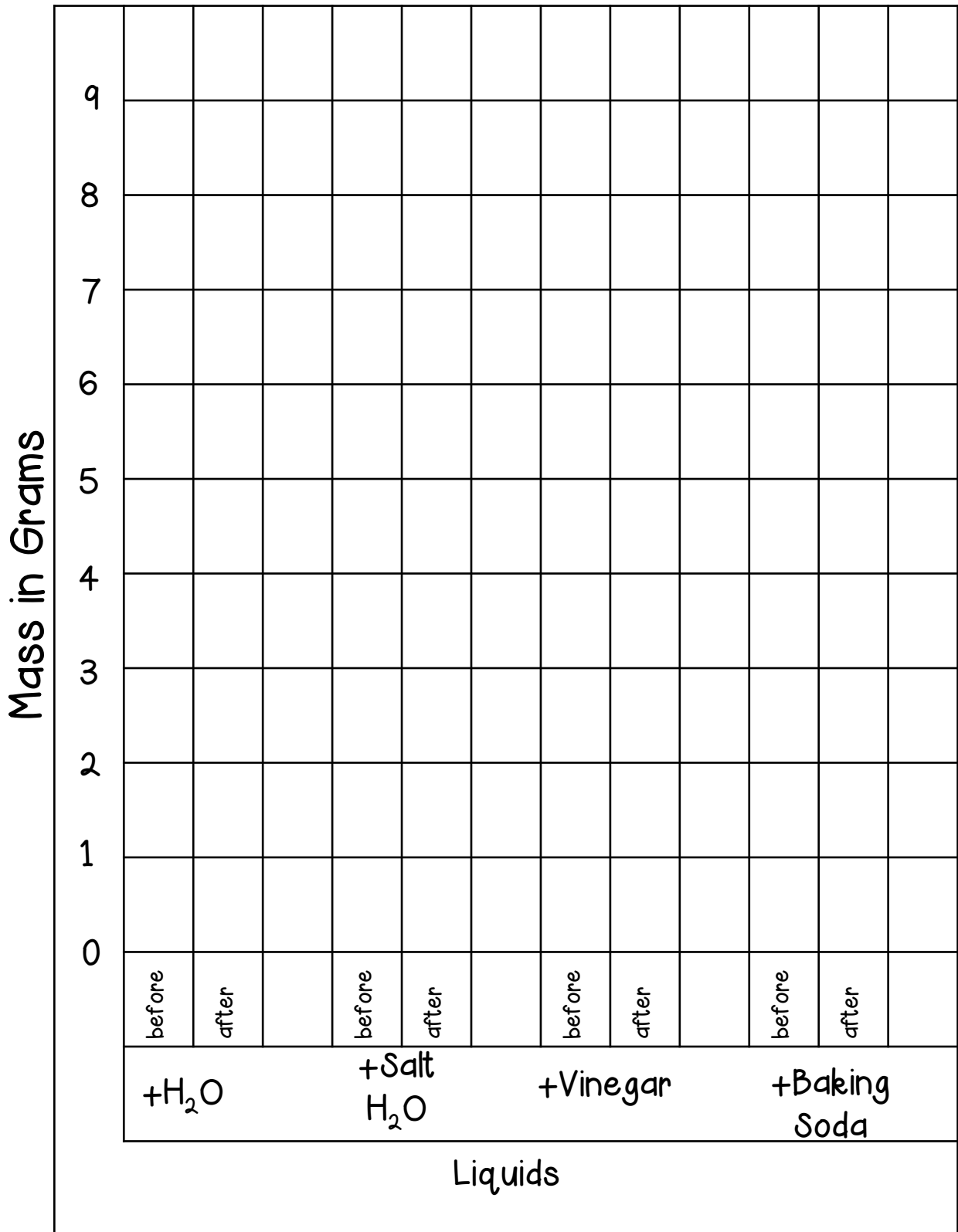
Gummy Bears- Change in Length



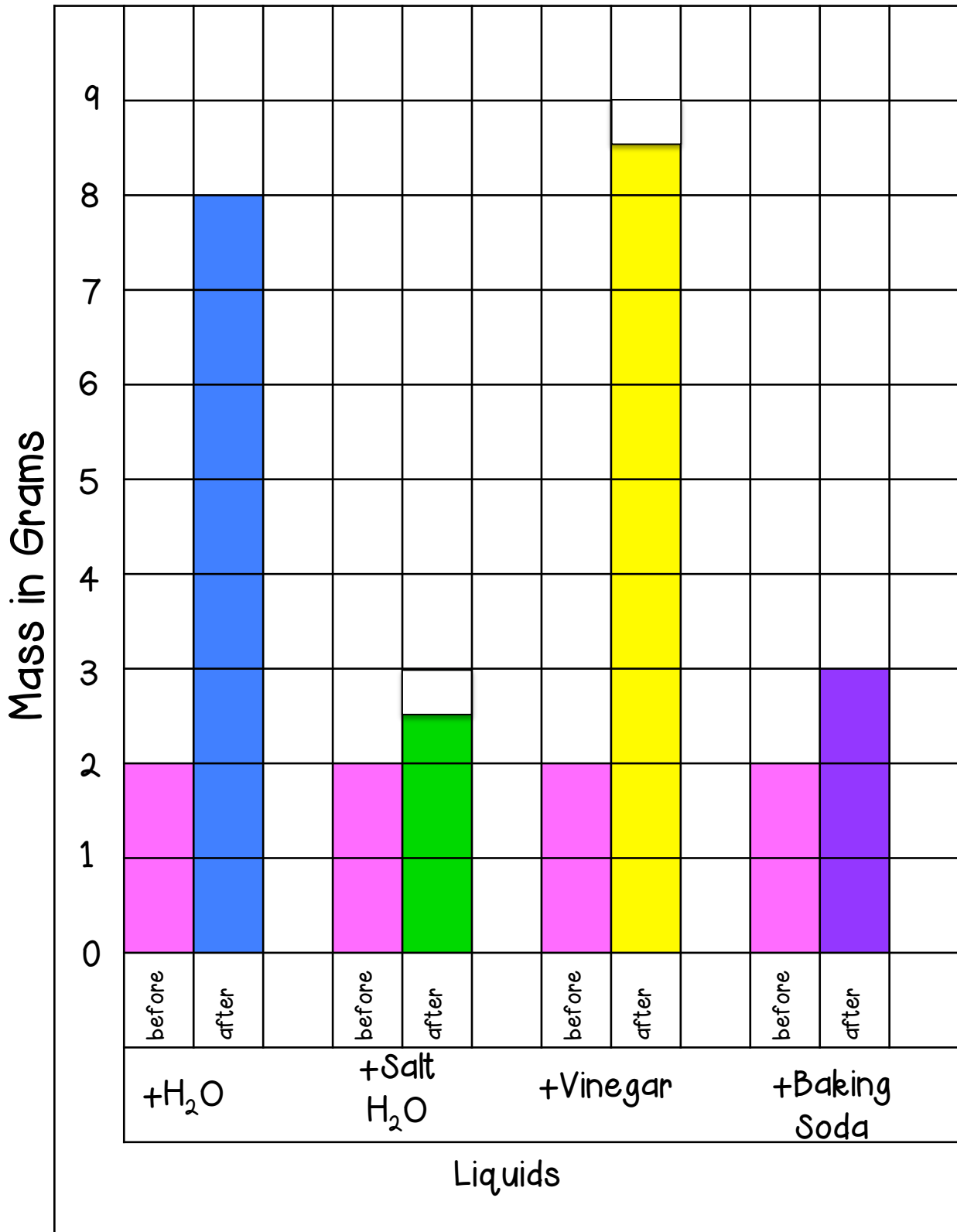
Gummy Bears- Change in Length



Gummy Bears – Change in Mass



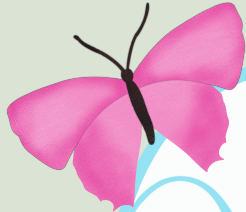
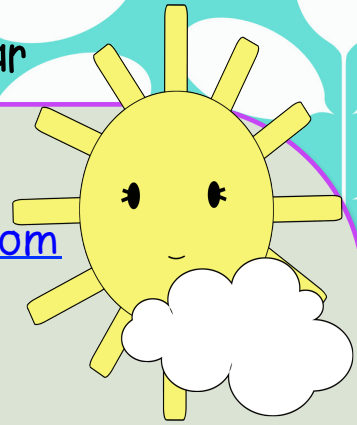
Gummy Bears – Change in Mass



Conclusion:

For photos of this lab, please go to my
6/14/13 blog post (or click on Gummy Bear
Science in the category list):

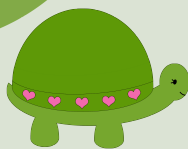
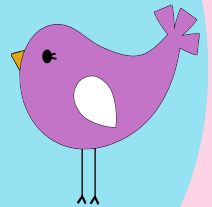
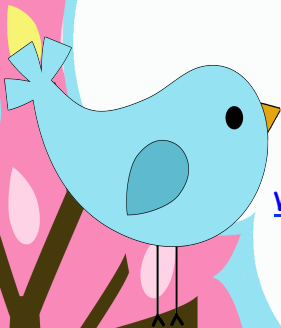
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