Name	Teacher	Period
		Date

## **Evaluating Evidence as a Class**

Quest	tion: Did a	chemical re	action occur w toget	_	nd baking	g soda were mixed	Answer Yes or No in each column				
Student Data						KEND or pattern samples, or : inferences?	observations RELIABLE)	and/or d question	<b>piece of appropriate</b> JGH evidence)	(9	
	Average Balloon Diameter	Average Balloon Diameter	Vinegar Initial Average	Average Temperature of Vinegar &	Average Change in	Group Observations	I E " = .	or obse	ACCURATE ar	e <b>ce of appro</b> H evidence)	<b>re</b> Columb
Average of 5 Trials	Before 4 (cm)	After (cm) 19 (cm)	Temperature 22 (°C)	Baking Soda 15 (°C)	Temp. - 7 (°C)	Bubbles formed in flask Balloon expanded an average 15cm in diameter;	inc ple ps, '	ple trials, tests or observati ed and analyzed (RELIABLE)	nce for t	there more than one piec	Total Score
Given Scientific Evidence  a) The vinegar and baking soda reacted with each other and there was a change in temperature.					Does Evidence over multi observatior (e.g. mean, medi	Are multiple reported	Is the Evide APPROPRIATE	F3 Is there mo	Tota		
o) When decrea	the baking	all groups.	negar were m	ixed together	the avera	ge temperature					

## Answer the following questions:

Which Evidence is the strongest: (circle one) a, b, c Why?

Which Evidence is the weakest: (circle one) a, b, c Why?