### **Investigating a Chemical Change**

Investigate Activity

### Materials (per group)

Kit Items School-Supplied Items

2 balloons (13") safety goggles funnel paper towel plastic spoon water

baking soda 2 plastic bottles (16 oz or 20 oz size)

white vinegar

### Hints and Tips

• Have students place the baking soda into the funnel a little at a time so that the baking soda does not clog the neck of the funnel. Students should tap the sides of the funnel to free any clogs that may occur.

Activity Rubrics Scoring Key	<u> </u>	rrect taile	t, comp d	lete,	partia comp				rtially mple						or in sistai		plete,
Investigate Activity Investigating a Chemical Change																	
Scoring Criteria			/ /	//			/ /	/ /			/ /	/ ,			/ /	/ /	
Student followed instructions to make a chemical change occur.																	
Student made predictions about what would happen when baking soda was added to water and to vinegar.																	
Student recorded observations.																	
Student made inferences about new substances being formed.																	
Student identified the combination that caused a chemical change to occur.																	
Socre total points																	
% equivalent																	

Name		Date	
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# Investigate Activity

## **Investigating a Chemical Change**

### **Follow This Procedure**

Record your predictions and observations in the chart.

	Predictions	Observations
Baking soda and water		
Baking soda and vinegar		

### **Interpret Your Results**

Make an inference to answer the following question: When you combined baking soda and water, was there evidence of a new substance being formed? Explain.
 Make an inference to answer the following question: When you combined baking soda and vinegar, was there evidence of a new substance being formed? Explain.

Name	Date _		
3. Which combination caused a c	hemical change to	occur? Explai	n.
<b>Inquire Further</b> What do you think would happen <sup>o</sup> Develop a plan to answer this or c			em to evaporate?
Self-Assessment Checklist			
I followed instructions to make a I made <b>predictions</b> about what we soda was added to water and	would happen whe		
I recorded my observations.			
I made <b>inferences</b> about new su I <b>identified</b> the combination that	•		

