## North Pole Bureau Of Investigations Case #1225: Case of the Christmas Cookie Mystery

Name			

Mrs. Claus needs your help! Each Christmas, Mrs. Claus makes a batch of her special sugar cookies to give Santa all the energy he needs to deliver presents to all the good little boys and girls around the world. A bad little elf has snuck into the kitchen and messed up all the special baking powders. He has left a note with three mystery bags of white powder.

The North Pole Bureau of Investigations has provided samples of six white powders found at Santa's house and the three mixtures left by the elf. Without your help, Mrs. Claus will not be able to make her cookies and there will be no Christmas!



Safety I	Rules - Cor	nplete eac	h statement	as they	are discussed	l in	class.

<b>√</b>	Do not	substance or	_ anything without permission.	Also be careful not to cross
	the sa	amples by mixing a little bit	of one with another on accident	!
✓	Do not	any of the substances – ev	en if you know what it is. This	would also include
		your hands to prevent	getting anything in your mouth,	eyes, or nose.
✓	if you	u need to smell something –	don't right from t	he container.
✓	Wear	and an while	doing the tests.	
✓	Pull back long flame when testing		, and keep	away from the
✓	Keep the	on the containers when	you are not using them. Also be	e sure to clean up
	imme	ediately.		
✓	Tell your teacher if	you have an	or need	
✓	Follow your teache	r's		

Are there other rules we need to follow?

What do we need to do to obtain accurate and reliable results?

Case #1225: EVIDENCE CHART	Name	

Sample	Description	Water	Vinegar	Iodine	Heat	What is it?
1						
2						
3						
4						
5						
6						
7						
8						

## **MYSTERY MIXTURES CHART**

Sample	Description	Water	Vinegar	Iodine	Heat
A					
В					
С					

DONE? FOLLOW YOUR TEACHER'S DIRECTIONS TO PREPARE THE FINAL REPORT FOR THE North Pole Bureau of Investigations!