

Putting Chemicals Together: Student Activity Sheet

Name:			Date:	
You will t For Us Us Al	se the small (20 ml) syringe ONLY for the tways put the green solution in the	by mixing a red and a green chemic nd green must add up to 20ml. Not for the green solution.	o more. No less I add the red solution.	
Trail #	Volume (ml) of Red Solution	Volume (ml) of Green Solution	Volume (ml) of Gas Produced	
1				
2				
3				
4				
5				
1. W	hat do your results tell you about	the proportions of red and green rea	actants?	
2 Ho	ow could you express that without	a lot of words?		

Part 2: Guided Practice

Some industrious students are working to create a perfect liquid glue recipe. They mix 1 gram of Gl (a white powder) with 1 gram of Ue (a green powder) in 100ml of water and shake the mixture well. The product is a very sticky blue liquid super glue with some of the original white powder at the bottom of the mixing jar. When they pour off the glue and dry and weigh the white powder they find that it weighs .5 grams. Which of the student suggestions below might improve the recipe? Support your idea with evidence?

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a. Add more water to make more glue and dissolve the white powder better.	
b. Increase the amount of white powder.	
c. Decrease the amount of white powder by half.	
d. Shake the mixture for a longer time.	
e. Increase the amount of green powder.	