

Name: _____ Date: _____ Class: _____

Lab Investigation Sheet

Observation: I found a reaction for super stretch slime.

Super-Stretchy slime reaction: 118 ml glue + 7.4 ml contact solution + 1.5 g baking soda = Fast Stretchy Slime

Problem: What reactant causes the slime to stretch fast?

Research: Read the attachment for research on stretchy slime.

Hypothesis:

Procedure: Follow the same procedures that were used for creating and testing the previous slime sample, but change the amount of the reactant you are testing according to the Group Planning below:

Experimental Group Planning:

Sample 1	Sample 2	Sample 3	Sample 4
blue food coloring – 2 drops glue - 118 ml glue baking soda - 1.5 g contact solution - 7.4	green food coloring – 2 drops	yellow food coloring - 2 drops	red food coloring - 2 drops

Data Sheet

Marbles	Bag of 10	Bag of 20	Bag of 30	Bag of 40
Mass (g)	g	g	g	g

Slime Stretch Data Table
Sample 2

Time (sec)	Distance (cm) No added stress	Distance (cm) Added stress (g)			
0	0	0	0	0	0
5					
10					
15					
20					
25					
30					
35					
40					
45					
50					
55					
60					
65					
70					
Snapped? Yes or No					
Average Speed					
Instantaneous Speed at 15 cm					

Slime Stretch Data Table
Sample 3

Time (sec)	Distance (cm) No added stress	Distance (cm) Added stress (g)			
0	0	0	0	0	0
5					
10					
15					
20					
25					
30					
35					
40					
45					
50					
55					
60					
65					
70					
Snapped? Yes or No					
Average Speed					
Instantaneous Speed at 15 cm					

Slime Stretch Data Table
Sample 4

Time (sec)	Distance (cm) No added stress	Distance (cm) Added stress (g)			
0	0	0	0	0	0
5					
10					
15					
20					
25					
30					
35					
40					
45					
50					
55					
60					
65					
70					
Snapped? Yes or No					
Average Speed					
Instantaneous Speed at 15 cm					