

Bubble-Ology

M3-16 PHYSICS

Questions

- ❖ The problem with cheap bubbles, and don't get me wrong but... let me just say kids hate them well they don't HATE them but they get bored. So I plan to make a strong solution to make bigger bubbles. So will Dawn dish soap and Mr. Bubble bubble bath make a good solution to an age old problem?

Abstract

- ❖ Bubble - ology
- ❖ Jane Ratliff
- ❖ Winter springs Florida
- ❖ Kids ae no having fun with cheap dollar store bubbles. So the reason of this experiment is to find a bubble solution that makes a lot of bubbles. My hypothesis is if I mix Mr. bubble and Dawn I will get a strong solution. Frist have super bubble bubbles in a bowl. Then have a cup of Mr. Bubble and Dawn in a bowl. Then blow with hair dryer on low cold air. I found out that super bubble works better.

Hypothesis

- ❖ If I mix Dawn dish soap and Mr. Bubble bubble bath the chemical make up of the new bubble solution will be stronger than Super Bubble.

Materials

- ❖ Two paper or plastic bowls
- ❖ Mr. Bubble bubble bath
- ❖ Super Bubble
- ❖ Dawn dish soap
- ❖ Bubble wand
- ❖ Hair dryer

Procedure

- 1.) wear safety goggles or glasses
- 2.) Leave wand in solution for 30 seconds
- 3.) Take wand out of solution and turn hair dryer on low cool
- 4.) Put wand 3 inches or less to hair dryer.
- 5.) Repeat for other solution

Ps. Do this 20 times for each

Independent: solution

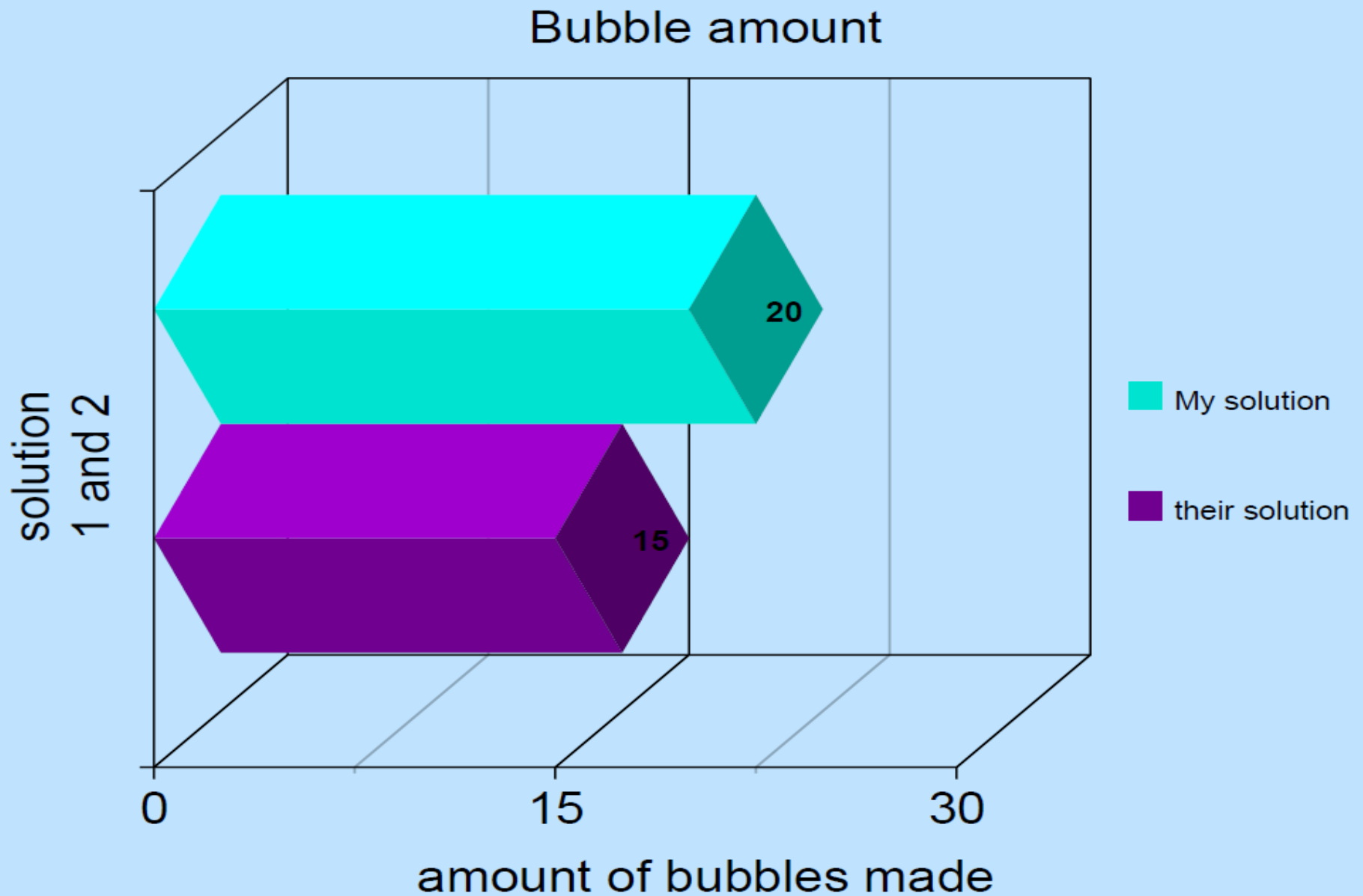
Dependent: amount of bubbles

Control: hair dryer

Pictures



Results: Bubbles amount



Conclusion

In this experiment I found out my solution worked by making 20 bubbles

Questions Comments



Thank you

