

Best Bubbles - Worksheet

By: Louise Lopes, based on the workshop investigation by Sharon Millington

Introduction:

I have been told that the bubble mixture from K- Mart is the best. I think the amazing scientists in this class could make a better mixture. My spies inform me that they use a mixture of water, detergent and sugar. Internet says the ideal mixture is 4:1 water:detergent. Investigate a better mixture. Be methodical and use your investigation skills.



Figure 1

Questions:

The question to this investigation has been set for you: **What is the best mixture for creating bubbles?** You will have to write up an Aim and a Hypothesis based on this question.

Write an Aim:

Write your Hypothesis:


Plan:

Write your materials list below:

Write your method below:

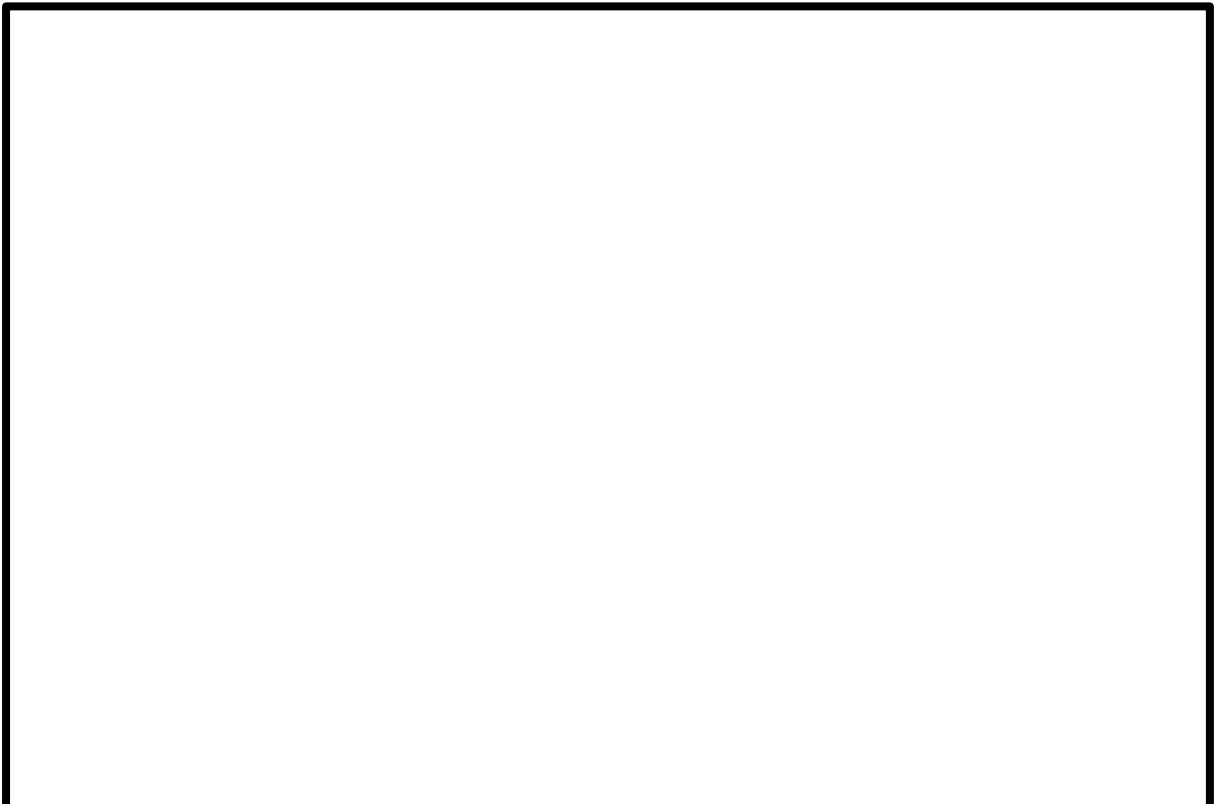
Conduct:

Record your results below:

A large, empty rectangular box with a black border, intended for recording experimental results.

Analysis:

Represent your data graphically below:

A large, empty rectangular box with a black border, intended for graphically representing experimental data.

Problem-Solving:

Assess the reliability of your experiment. Where there any sources of error? How would you improve your investigation?



Discuss your results. Do they agree with any science you know? What new things did you learn? What did you find surprising?



Conclusion:

Conclude your investigation by writing an answer to the Question:



Figure 2

References

Figure 1: Alexas_Fotos, <https://pixabay.com/en/soap-bubbles-colorful-balls-817098/>.
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Figure 2: misku, <https://pixabay.com/en/bubbles-sunset-silhouette-sun-1038648/>.
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