

Narrogín	Senior	High	School
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Year 7 Science	Du
Solubílíty Investiga	tion

ogin Senior High School	Name:
ar 7 Science	Due:
Hulfility Tuxiest	igation

Outcomes: Science Inquiry; Science Understanding: Chemistry

Aim: In this activity,	you will investigate	whether having	sugar alrea	dy dissolved	in water
affects how fast the	sugar coating of an	m&m dissolves.	•		

affects now fast the sugar coating of an mam dissolves.
Can you write this as a question to be investigated?
Prediction: What do you think the effect will be?
Variables: What will you change? (independent variable)
What will you measure as your result? (dependent variable)
What will you keep the same (controlled variables)
Follow instructions to complete the experiment.
Results: Write a title for your table. Write headings for each column (don't forget units). Record your results in the table below.

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Discussion:
Did you have any uncontrolled variables?
Did you have any difficulties or problems with your experiment?
How would you fix this problem if you did this experiment again?
Other than the amount of dissolved sugar, what else could you test that might affect the dissolving of the m&m coating?
Conclusion: What was the overall result?
Was your prediction correct?

		Mark Allocation	Mark
Question	 Writes question to investigate, which refers to variables 	1	
Prediction	Makes a prediction, which relates variables	1	
Variables	 Independent variable is identified Dependant variable is identified 1-3 controlled variables identified 	4	
Results	 Table title relates variables Appropriate heading for each column Headings include units where appropriate Average calculated for repeat trials 	4	
Graph	 Graph title relates variables Graph type is appropriate for data Axis are correct orientation and labelled, including units Graph is appropriate size and scale 	4	
Discussion	 At least one uncontrolled variable identified. Difficulties or sources of error identified Suggestion for improvement Suggestion for further investigations 	4	
Conclusion	Summary of findingsPrediction correct or not	2	
		Total /20	

