# BUBBLE SNAKE

STUDENT SHEET

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SCAN ME

## ASK A QUESTION

*What happens when you blow a bubble solution through a washcloth?*

## FORM A HYPOTHESIS

## DESIGN AND PERFORM AN EXPERIMENT

**INGREDIENTS**

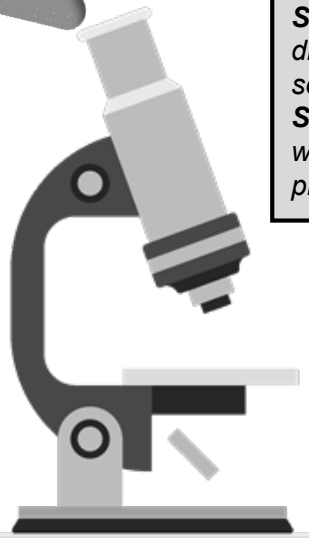
*Water Bottle  Rubber Band  Washcloth  Food Coloring*
*Miracle Bubbles  Dishwashing Liquid  Glycerin  Scissors*

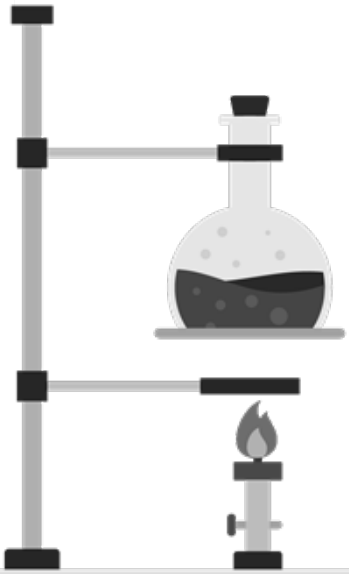
**INSTRUCTIONS**

***STEP 1:*** *Using scissors remove the bottom of the water bottle.*
***STEP 2:*** *Secure the washcloth to the bottom of the water bottle with the rubber band.*
***STEP 3:*** *Add a few drops of food coloring to the bottom of the water bottle, on the washcloth.*
***STEP 4:*** *Pour some of the miracle bubbles into an empty bowl. Add some of the dishwashing liquid and glycerin to the miracle bubbles and mix. Describe and classify the solution by its observable properties.*
***STEP 5:*** *Dip the washcloth into the super bubble solution, blow through the mouth of the water bottle, and observe. Describe and classify the bubble snake by its observable properties.*

## COMMUNICATE THE RESULTS

## ANALYZE THE RESULTS





# BUBBLE SNAKE

## SCIENTIFIC METHOD

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### WHAT IS THE SCIENTIFIC METHOD?

**AS HUMANS, WE ARE NATURALLY CURIOUS. ASKING GOOD QUESTIONS IS THE CATALYST TO DISCOVERING THE BEST ANSWER. THE SCIENTIFIC METHOD, A STEP-BY-STEP PROCESS USED TO ASK AND ANSWER SCIENTIFIC QUESTIONS, IS WHAT WE USE TO GUIDE US THROUGH THIS ADVENTURE.**

### 1 ASK A QUESTION

*GOOD SCIENTIFIC QUESTIONS ARE WELL DEFINED AND MEASURABLE.*

### 2 FORM A HYPOTHESIS

*A **HYPOTHESIS** IS AN EDUCATED GUESS, WHICH CAN BE TESTED THROUGH EXPERIMENTATION.*

### 3 DESIGN AND PERFORM AN EXPERIMENT

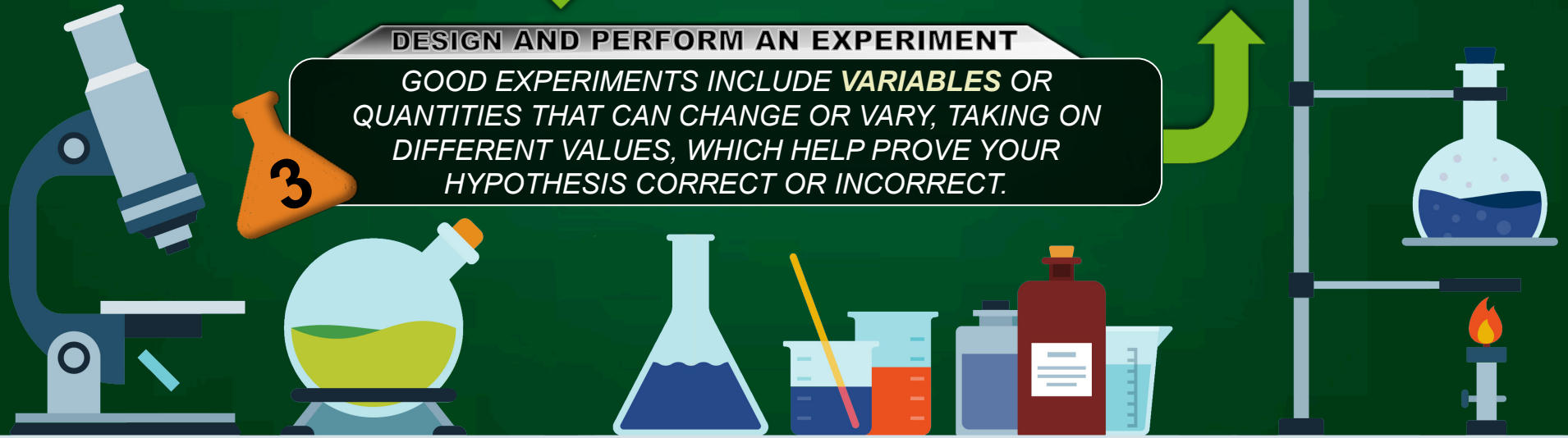
*GOOD EXPERIMENTS INCLUDE **VARIABLES** OR QUANTITIES THAT CAN CHANGE OR VARY, TAKING ON DIFFERENT VALUES, WHICH HELP PROVE YOUR HYPOTHESIS CORRECT OR INCORRECT.*

### 4 ANALYZE THE RESULTS

*GATHER AND ANALYZE ALL **DATA**, OR INFORMATION, WHILE PERFORMING YOUR EXPERIMENT, TO PROVE YOUR HYPOTHESIS CORRECT OR INCORRECT.*

### 5 COMMUNICATE THE RESULTS

*CLEARLY COMMUNICATE YOUR RESULTS.*



# BUBBLE SNAKE

## EDUCATOR SHEET

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SCAN ME

### ASK A QUESTION

*What happens when you blow a bubble solution through a washcloth?*

### FORM A HYPOTHESIS

*A student's hypothesis should be clear and state, "I think – will happen when you blow a bubble solution through a washcloth."*

### DESIGN AND PERFORM AN EXPERIMENT

**INGREDIENTS**

*Water Bottle  Rubber Band  Washcloth  Food Coloring*
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**INSTRUCTIONS**

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***STEP 5:*** *Dip the washcloth into the super bubble solution, blow through the mouth of the water bottle, and observe. Describe and classify the bubble snake by its observable properties.*

### ANALYZE THE RESULTS

*Students will gather and analyze data, in this space, while performing the experiment. Look for labeled pictures of the bubble snake and written descriptions of the bubble solution. This analysis is crucial in drawing meaningful conclusions from the experiment.*

### COMMUNICATE THE RESULTS

*Students should communicate results in this space. Results may be graphed, illustrated, and/or written. They should indicate how the tiny holes in the washcloth allow you to blow hundreds of small bubbles, at once, which attach to each other, keeping the bubbles from floating into the air, creating a bubble snake.*