

# *A Tasty Solution*

## **Procedure:**

Step 1: Place one piece of candy in your mouth and allow it to dissolve without using your tongue or teeth to help! Record the time it takes for the candy to dissolve in the chart.

Step 2: Place another piece of candy in your mouth and allow it to dissolve using only your tongue to move it around. Record the time it takes for the candy to dissolve in the chart.

Step 3: Place another piece of candy in your mouth and allow it to dissolve using your tongue and teeth. Record the time it takes for the candy to dissolve in the chart.

Piece of Candy	Dissolving Time
1st	
2nd	
3rd	

## **Analysis/Conclusion:**

1. Use your data to create a line graph on the back of this page showing your results. Be sure to label the parts of your graph!

2. In your solution, what was the solute and the solvent?

Solute = \_\_\_\_\_ Solvent = \_\_\_\_\_

3. Identify the solute(s) and solvent in each solution. HINT: A SOLUTE dissolves in a SOLVENT!

Solution	Solute(s)	Solvent
Ocean water		
Kool-Aid		
Antifreeze		
Pepsi		
Lemonade		
Sterling Silver		

4. What liquid is called the “universal solvent”?

5. Which would have the most SOLUTE: a glass of very sweet Kool-Aid or a glass of barely sweet Kool-Aid? Give a reason for your answer.