AFTERSCHOOL TRAINING TOOLKIT

Investigating Science Through Inquiry

Physical Science: Festival of Bubbles

Name:_____ Date:_____ Topic: Bubbles

Team Members: _____

Key Points, Question of Study, Hypothesis, Procedure, Observations, Data, Tables, Graphs, Graphic Organizers	What I Learned/ Questions I Have

Question: Which brand of liquid detergent makes the biggest bubble?

Hypothesis: I think that _____ will make the biggest bubble.

Procedure:

1. Gather solutions, prepare tables, get straws.
2. Make a "pizza" with soap solution.
3. Blow a bubble.
4. Measure the diameter.
5. Record the diameter.
6. Repeat 4 times.
7. Calculate the average bubble size for each solution.
8. Write observations and notes.
9. Share results with class.
10. Draw conclusions.

Data Table:

(I.V.): Brand of Liquid Detergent	(D.V.): Diameter of Bubble (cm)				Average Bubble Diameter (cm)
	Trial 1	Trial 2	Trial 3	Trial 4	

Observations and Notes:

_____

_____

_____

Key Points, Question of Study, Hypothesis, Procedure, Observations, Data, Tables, Graphs, Graphic Organizers	What I Learned Questions I Have

Team Name	Average Bubble Diameter (cm)		
	Sunlight	Palmolive	Dawn
Overall Average Diameter (cm)			

Conclusions: (Compare your hypothesis to your data and the class data.)