Name:	Date:	Block:
The Scientific Method - I	Fizzy Lab	
In this lab, you will develop and test a hypot given guidance at each step of the way. Fill	•	
Step 1: Question or Observation	<u>)n</u>	
Question: What factors will make	an alka-seltzer t	ablet dissolve faster?
Variables to test:		
 Tap water Warm water Cold water 	Water ic Water (Vinegar)	
Of the variables above, which should serve	as your CONTROI	group?
In this experiment, the independent variable	is the type of water	(warm, saltetc).
What is the dependent variable, or the thing	you will be measuri	ng?
Step 2: Develop a hypothesis		
Finish this statement		
Alka seltzer will dissolve fastest in		water, and the slowest in
water.		



Step 3: Design and Conduct and Experiment

Answer these questions regarding your experimental design:		
A) Will you use a whole tablet or a half a tablet of alka seltzer?		
B) How will you measure how quickly it dissolves?		
C) How much water will you place in your beakers?		
D) Will this amount be the same in all of your tests?		
E) What safety precautions should you take?		

Step 4: Create a data table to record your results.

Type of Water	Dissolve Time	

Step 5: Draw Conclusions

In a complete sentence, answer your experimental question by summarizing the data.

Factors that make an alka seltzer tablet dissolve faster are

Scientific Method Vocabulary

Scientific method	
Hypothesis	
Control	
Independent Variable	
Dependent Variable	