Name:		Date:
Life Scie	ence	Period:
Scientifi	ic Method: Controls and Variables	
(bottom pals have been busy doing a description for each experiment and
1. ‡	patty power	
that he from the them (G patties v food col producti	thinks will reduce the production of boe Krusty Krab. He recruits 100 customer Group A) eat crabby patties with the new that looks just like new sauc loring. Both groups were told that they ton. Two hours after eating the crabby	der place to live. He has created a new sauce dy gas associated with eating crabby patties is with a history of gas problems. He has 50 of we sauce. The other 50 (Group B) eat crabby the but is really just mixture of mayonnaise and were getting the sauce that would reduce gas a patties, 30 customers in group A reported group B reported having fewer gas problems.
a	a. Which people are in the control group	o?
b	o. What is the variable?	
С	c. What should Mr. Krabbs' conclusion to	pe?
2. s	:limotosis	
shell de rubbing be a be week an	evelops a nasty slime and gives off a he seaweed on the shell is the perfect curetter cure. Sponge Bob decides to test to	ering from slimotosis, which occurs when the norrible odor. His friend Patrick tells him that e, while Sandy says that drinking Dr. Kelp will this cure by rubbing Gary with seaweed for 1 sek of treatment, the slime is gone and Gary's
а	a. What was the initial observation?	
b		
		n be?



3. marshmallow muscles

Larry was told that a certain muscle cream was the newest best thing on the market and claims to double a person's muscle power when used as part of a muscle-building workout. Interested in this product, he buys the special muscle cream and recruits Patrick and SpongeBob to help him with an experiment. Larry develops a special marshmallow weight-lifting program for Patrick and SpongeBob. He meets with them once every day for a period of 2 weeks and keeps track of their results. Before each session Patrick's arms and back are lathered in the muscle cream, while Sponge Bob's arms and back are lathered with the regular lotion.

_	Which never is in the control avour?		1	
ć	. Which person is in the control group?	Time	Patrick	SpongeBob
		Initial	18	5
		Amount	16	3
b.	What is the variable?	After 1	24	0
		week	24	9
		After 2	22	17
		***** a 1-a	33	1 /

c. What should Larry's conclusion be?

weeks

