Simpsons Variables Worksheet	Name: Period: Date:
Smithers thinks that a special juice will increase the productivity of workers. He creates three groups of 50 workers each and assigns each group the same 	 Identify the: 1. Independent Variable: 2. Dependent Variable: 3. Controlled variable: 4. What should Smithers' conclusion be? How did the juice affect the number of papers each group stapled? Use data (numbers) to support your answer.
Homer notices that his shower is covered in a strange green slime. His friend Barney tells him that coconut juice will get rid of the green slime. Homer decides to check this out by spraying half of the shower with coconut juice. He sprays the other half of the shower with water. After 3 days of "treatment" there is no change in the appearance of the green slime on either side of the shower.	Identify the: 1. Independent Variable: 2. Dependent Variable: 3. What is a hypothesis Homer can write about his observation? If then because
Krusty was told that a new itching powder claims to cause 50% longer lasting itches. Interested in this product, he buys the itching powder and compares it to his usual product. One test subject (A) is sprinkled with the original itching powder. Another test subject (B) was sprinkled with the new experimental itching powder. His results are below.Number of minutes itched Subject A Subject B30 minutes 45 minutes	Identify the: 1. Independent Variable: 2. Dependent Variable: 3. What should Krusty's conclusion be? Use data (numbers) to support your answer. 5. How could Krusty improve his experiment?

ALL OF	Bart believes that mice exposed to microwaves will become extra strong (maybe he's been reading too much	Identify the: 1. Independent Variable:
	 Radioactive Man). He decides to perform this experiment. He places 10 mice in a microwave for 10 seconds. He places another 10 mice in a 	2. Dependent Variable:
has 10 mice tha For his test he mouse food H	microwave for 5 seconds. Lastly, he t have not been put in the microwave. placed a heavy block of wood in front of the e counted how many mice could move the	3. What should Bart's conclusion be?
block of wood findings.	away from the food. Below is a chart with his	
Time in microwave	Number of mice that pushed the block away	5. How could Bart improve his experiment?
5 seconds	8	
0 seconds	7	
	Lisa is working on a science project. Her task is to answer the question: "Does Rogooti (a hair cream sold on TV) affect the speed of hair growth (in length)". Her family is willing to volunteer for the experiment.	Identify the: 1. Independent Variable: 2. Dependent Variable: 3. Write a possible hypothesis Lisa could write for this experiment. If then because

4. Write a procedure (list of steps) Lisa could follow to complete this experiment. You should have at least 3 steps.