

## Now its your turn:

Write down the problem and create a Hypothesis based on what you have researched.

**Problem:** \_\_\_\_\_  
\_\_\_\_\_

**Research:** My problem is about this subject: \_\_\_\_\_  
(sample topics could be magnetism, electricity, buoyancy, absorbency, taste, plant growth, simple machines or other scientific topics that relate to your problem. If you are having problems finding out what the topic is, ask your teacher or an adult to help you on this one....)

### Books I found in the library on my topic are:

Title: \_\_\_\_\_ Author: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### Internet sites that I found on my topic are:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### People I talked to about my topic are:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### Some important points that I learned about my topic are

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

**Hypothesis:** I think that \_\_\_\_\_  
(will happen) because (my research shows...) \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_

# Now it's your turn

**Materials: (take pictures!)**

**List the Materials that you will need for your science experiment here:**

- |          |           |
|----------|-----------|
| 1. _____ | 6. _____  |
| 2. _____ | 7. _____  |
| 3. _____ | 8. _____  |
| 4. _____ | 9. _____  |
| 5. _____ | 10. _____ |

**Variables:**

**List the variables that you will control, the variable that you will change and the variables that will be the results of your experiment:**

**My controlled variables are (the stuff that will always stay the same):** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**My independent variable is (this is the thing that changes from one experiment to the next, it is what you are testing):** \_\_\_\_\_

**My responding variables might be (in other words, the results of the experiment)**

**Procedure: (the steps.... Don't forget to take pictures)**

**List the steps that you have to do in order to perform the experiment here:**

- 1st.... \_\_\_\_\_  
2nd \_\_\_\_\_  
3rd \_\_\_\_\_  
4th \_\_\_\_\_  
5th.... \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## Design a table or chart here to collect your information

(Did we mention that you needed to take pictures of you doing the actual experiment?)

Use the Graph paper at the end of this booklet to make a graph of your results from your table.

### Conclusion:

Now tell us what you learned from this and if you were able to prove your hypothesis. Did it work? Why did it work or why didn't it work? What did the results tell you? Sometimes not being able to prove a hypothesis is important because you still proved something. What did you prove?

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### Application:

(How does this apply to real life?)

Its important to know about this experment because.....

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