

Science Fair Project Worksheet

You can use this worksheet as a guide in writing up your project. **Do not turn this worksheet in.** Directions and suggestions are given in each section. Fill in the blanks in all the boxed sections. Copy your answers to the display board or poster of your science fair project.

- **Title** – Choose a brief title for your project. Titles are often “catchy”, but do not have to be. (You may want to wait until you have completed your experiment before giving it a title.)

The title of my project is _____.

- **Question** – What question are you trying to answer by doing your project? A statement and not just a “yes” or a “no” should answer your question. Your question should be fairly specific. A good way to form a question is: “How will changing _____ affect _____?” **Examples:**
 - How will changing the color of light plants receive affect plant growth?
 - How will changing the amount of baking soda in cupcakes affect cupcake height?

Remember, you must have at least one variable (something that changes), and a control (something that stays the same).

My Question is _____
_____.

- **Introduction** – This section talks about why you chose this experiment, who helped you, and what special research did you do to learn more about this experiment. This section should be 3 or more sentences.

I chose this experiment because _____

I got help from _____

I learned more about _____

- **Hypothesis** – This is a guess of **what** you think will happen and **why** it will happen based on your research on your variable. A good way to write a hypothesis is:

”I think that _____ because _____.

Examples:

- I think that plants that receive white light will grow taller and fuller than plants that just get red or blue light because I read that plants need lots of sunlight for growth.
- I think that putting more baking soda in cupcakes will make cupcakes taller because baking soda produces gas that makes the cupcakes rise.

My Hypothesis: I think that _____

because _____

- **Materials** – List all the materials you will use to perform the experiment. This is similar to the ingredient list of a recipe. More detail is better! Another person should be able to do your experiment based on your list of materials.

These are the items I need to perform my experiment are: _____

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

- **Procedures** – Write a step-by-step guide for doing the experiment. This is similar to the instructions part of a recipe. The more detail the better. Another person should be able to do your experiment based on the instructions in your procedure. You should repeat your experiment 2 or more times to see if you get the same results.

The steps to doing my experiment are:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____

Feel free to add more steps if you need to.

On your display board, you may include photographs or drawings of the items in your experiment.

- **Results** – Record the results of your experiment. Make a chart or a graph to make it easier for a person to see what you observed during your experiment. Write a paragraph that talks about the results in your charts and/or graphs. Remember to do your experiment more than once. On your display board, you may include photographs or drawings of the results of your experiment. It may be helpful to show “before” and “after” pictures in some cases.

Chart of Results from Trial 1		

Chart of Results from Trial 2		

Chart of Results from Trial 3		

Feel free to do more trials and chart the results.

- **Conclusion** – What did you learn from the experiment? Tell whether your results show that your hypothesis was right or wrong. How do your results show that your hypothesis was right or wrong? If your hypothesis was wrong, why do you think you guessed wrong? Did anything go wrong when you did your experiment? What do you think you can change to make the experiment better? Who might benefit from what you have learned in your experiment?

My results show that my hypothesis was

because

To make this experiment better, I can

The people who may benefit from what I have learned in this experiment are

because