

Science Fair Results

Puts your data into a paragraph

- Include phrases such as:
 - Include what was measured for your three trials, and the average of your three trials for every group.
 - As the __(insert independent variable)__ increased, the __(insert dependent variable)__ also increased.
 - As the __(insert independent variable)__ increased, the __(insert dependent variable)__ decreased.
 - The group that received __(insert independent variable)__ showed the greatest amount of __(insert dependent variable)__.

Science Fair

Conclusions/Applications

Use the following fill in the blanks to plan out your conclusions/Applications. Then type!

My hypothesis was

The results indicate that this hypothesis should be considered true or false because of the results of this experiment were

The errors that occurred during my experiment were

If I were to conduct this science fair project again, I would improve it by

In conclusion, this experiment taught me

This knowledge can help people because, _____

Tips:

- You do not need to follow the format above, but you should answer the following questions in your conclusions paragraphs:
 - Was your hypothesis supported by the results or not supported by the results? Why?
 - What mistakes or accidents or errors could have happened? How do these influence the results that you got? (for example, if your dog peed in the plants you were trying to grow, they may have died from the accidental pee rather than not liking the amount of sunlight).
 - How can this same experiment be improved in the future to prevent the mistakes or accidents that occurred OR what experiment should be done next to continue to answer your question?
 - What did you learn from this experiment?
 - How can you use what you learned in the real world?
- How to find error in your experiment:
 - Were you using any faulty/ problematic tools or equipment?
 - Could you have made a mistake when measuring, or did anything spill?
 - Could you have misunderstood the procedures, skip a step, or complete the steps out of order?
 - Could your materials have been contaminated?
 - Could an unforeseen event, such as the weather (rain, humidity, etc) have influenced your data?
 - What is the precision like, between your trials? **Precision** is how close the data from each repetition is to each other. For example, did you get the same or similar values for trials 1, 2, and 3?
 - What is the accuracy like in your experiment? **Accuracy** is how close your data is to the real or expected value. This is used by evaluating your control group. Did your control group do what it was expected to do?