

Name _____

Science

class _____

Date _____

Toxicity Testing on Seeds – Write-up

An important part of science is publishing results. Often scientists publish their results as a scientific article. For the Toxicity Testing on Seeds lab, you will write a formal write-up.

Your write-up will have to follow the format: (70%)

1. Title – the title should be related to the experiment.
2. Purpose – in a paragraph, explain why you did your experiment.
3. Hypothesis – what did you expect that will happen? Often the hypothesis is different than the results. That's OK.
4. A summary or a flow chart of procedure.
5. Results – including Data Table and Graphs
6. Answer to questions.
 - a. Describe what you know about the chemical. (Do you consider it harmful, beneficial, or neither? What is it used for? How would a human be exposed to this chemical?)
 - b. In which bag is the dose of chemical the highest? In which bag is the concentration of chemical in the solution the highest? Describe how you know.
 - c. In this experiment what are the independent and dependent variables? Which bag is the control?
7. Conclusion.

Your write-up should be typed using fonts Arial or Times New Romans of size 12-14 (10%). Graphs can be hand written.

Your report should be clear and errors free. You should proof read for spelling and grammar (10%).

The project is on time (10%).

The report is due on June 16, 2016.

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Outline

1. Title: The title of my paper is :

2. Purpose: The reason for doing this experiment was:

3. Hypothesis:
I expected that the seeds will:

But the seeds in bag will:

4. This is how we did this experiment:
My chemical was:

First we:

Than we:

After that we:

5. Results: Copy the data table from your lab notebook. Graph the results on graph paper or using Microsoft Excel. **Don't hand in.**

6. Answer to questions.
 - a. Describe what you know about the chemical. (Do you consider it harmful, beneficial, or neither? What is it used for? How would a human be exposed to this chemical?)
 - b. In which bag is the dose of chemical the highest? In which bag is the concentration of chemical in the solution the highest? Describe how you know.
 - c. In this experiment what are the independent and dependent variables? Which bag is the control?
7. Conclusion: After doing this experiment I learned that:

I was surprised that:

My initial hypothesis was: (correct/incorrect)