

# Digital Science Notepad Template for Students to Complete During Their Lab

Please print this so that students can use it during their labs to have the data to enter in later online in the Digital Science Notepad (DSN). DSN offers three different outputs for students to see generated from the data they enter. Notes or longer answers can be written on the right side of the handout.

Please Enter Report Below:

Title of Science Experiment:

First Name:

Last Name:

Name of School:

Name of Teacher:

Grade:

Age:

Gender:

Date of Report:

Date of Experiment:

For this next section, have ready the information to answer:

- Question Asked
- Hypothesis
- Variables
- Materials
- Procedure/Set Up
- Data Collection
- Data Analysis
- Results
- Discussion
- References/ Bibliography

Please Enter Report Below:

**Question:**

1. What question or problem do you think this lab addressed? [Hint:](#)

**Hypothesis:**

2. What prediction did you make about the result of your experiment? [Hint:](#)

Please Enter Report Below:

**Variable:**

3. What did you identify as your independent/manipulated variable? [Hint:](#)

4. What did you identify as your dependent/responding variable? [Hint:](#)

Please Enter Report Below:

**Variable (Cont):**

5. What are your controlled variables?

[Hint:](#)

**Materials:**

6. If a friend wanted to do this lab, what supplies would you tell him/her to purchase?

[Hint:](#)

Please Enter Report Below:

**Procedures/Set up:**

7. What advice would you offer a friend who does not know about lab safety in regards to performing this experiment?

[Hint:](#)

8. What is one example of a mistake you could make trying to run this experiment

[Hint:](#)

Please Enter Report Below:

**Procedures/Set up (Cont):**

9. If a friend wanted to replicate your experiment, what procedures would he/she need to follow? [Hint:](#)

**Data Analysis:**

10. Describe the step in your data analysis, using as many steps as you need to. If a friend asked you how you analyzed the data what would you tell them? [Hint:](#)

Please Enter Report Below:

**Results:**

11. Explain the outcome of your experiment. [Hint:](#)

Proved       Disproved

12. Review your data and record one item that supports your conclusion in regards to the outcome of your hypothesis. [Hint:](#)

Please Enter Report Below:

**Results (Cont):**

13. Your teacher comes up to you after your experiment is complete and asks you to tell him/her if there were any errors in your experiment. What would you tell him/her? [Hint:](#)

14. If you could identify one area of your experiment that needs improvement where would that be? [Hint:](#)

**If you are limited for time the remaining questions can be completed for homework or omitted.**

Please Enter Report Below:

**Results (Cont):**

15. What one action could you take that would really make the findings from the experiment unable to be used? [Hint:](#)

**Discussion:**

16. What did you learn about your research question from this experiment? [Hint:](#)

Please Enter Report Below:

Discussion (Cont):

19. Why would this be a valuable experiment? You may consider this question in terms of the question you asked (does it matter?), your findings (what do they mean?), or what you learned about science. [Hint:](#)

Please Enter Report Below:

References:

20. If you used any magazine or book sources in your lab please list the following about them:

- A. Author
- B. Title of work
- C. Page number
- D. Publication Date
- E. Title of book, magazine or journal

21a. Books. "Author Last name, first initial. Title: Subtitle. Place of publication: Publisher, Date."

  
  

Please Enter Report Below:

References:

21b. Magazines. "Author Last name, first initial. "Title of Article." Title of Periodical, Volume #, issue, (Date): Pages."

  
  

21c. If you used any internet sources in your lab, please list the following about them

- A. Author
- B. Title of work
- C. Publication Date (or date Webpage accessed)
- D. Publication Date