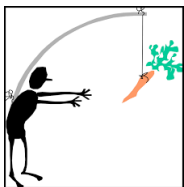


Problem/Assignment



1. Problem and Background:

Score

_____ a) Provide background vocabulary and scientific principles related to the question.	
_____ b) Describe previous observations (evidence) that help guide the investigation.	
_____ c) Write a clear, measurable Problem that will use numbers to compare and answer.	
_____ d) Give your references or sources of information.	

a) Background Vocabulary & Scientific Principles: (Look up. Read. Write Sources below.)

1. _____

2. _____

3. _____



b) Pre-Observations and Evidence: (What have you seen or done before this investigation?)

I have noticed _____

I tried _____



c) Measurable Problem and Hypothesis or Prediction: (Use numbers to answer.)

I will _____

I predict _____



d) Sources of Information:

1. _____
2. _____
3. _____



Problem/Assignment

2. Design:

Score

____ a) Write logical (list in order) procedures to set up, collect and record data.	
____ b) List materials and resources that are needed to collect relevant (useable) data.	
____ c) Identify variables that need to be controlled and measured.	
____ d) Illustrate the setup with clear labels	

a) Procedures: (Include how to make before and after measurements.)

1.



b) Materials List:

1.



c) Variables:

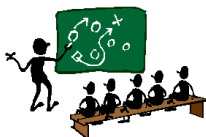
1. Controlled Variables include



2. The Dependent Variable depends on the
and is

3. The Independent Variable is the one being tested and is

d) Illustrations:



Problem/Assignment _____

4. Analysis: Develop Conclusions from your Data. Include Errors. Score

___ a) Uses your numerical summary of data (evidence) to explain your results	
___ b) Clearly communicate your conclusions or solution/answer to the problem.	
___ c) Include errors and evidence that disagrees with your conclusions.	
___ d) Next: Suggest relevant revisions or further investigations.	

a - b) Conclusion including Numerical Summary Paragraph:

My evidence (data) of _____

shows that _____

After analyzing, my evidence (I think) my inferences include _____

When I _____

I expected _____

c) Explanation of Errors and "Disagreeable" Data:

A specific error was that _____

I had to (redo or leave out?) the data that _____

d) Next:

To do this again, the procedure(s) I would change _____

To continue and show more evidence, I could _____

