![C:\Users\DiedamB\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\E74I63Y3\MC900340444[1].wmf]()Penny Drop Investigation

Your Task: I challenge you to create an experiment of your own using pennies and drops of water by following the basic steps in the scientific method. There needs to be an emphasis on scientific inquiry and safety. Each group must have teacher permission before attempting any part of the experiment. If a group has not addressed possible errors or safety rules, you will be required to rewrite the lab until it meets teacher approval.

The following information needs to be included in your lab report (please write in your science lab notebooks with headings and labels):

1. Research Question- What do you want to find out?
2. Hypothesis- Written in *If…then…* format
3. Identify your independent, dependent, and controlled variables.
4. Materials- List any materials needed for the experiment.
5. Procedure- Design your experiment, but make sure it is a controlled experiment. Also, remember you need to have multiple trials.
6. Safety Rules- What safety rules do you need to follow during your experiment?
7. Teacher Approval Needed Here- Have the teacher initial your lab report indicating that you can now begin completing the lab according to your written procedure.
8. Data- Create a table, chart, or graph of your data.
9. Conclusion/Analysis- Restate your question and hypothesis. What did you learn from the experiment? Use actual data references to support your findings. What happened during the lab that could have made your results unreliable and if you had to the lab again, what would you do differently.