

# Analysis & Conclusion Sections for Lab Report

*NOTE: These are the most important sections of your lab report!! Follow the instructions carefully!*

## Analysis

In this section you must explain the concepts that we have studied this unit for your egg drop experiment. You must describe each of the following in as much detail as you can to show me you understand the concepts. This is the most important part of your whole lab report.

These are the concepts you must explain:

1. Mass & Weight: What was the mass of the egg? Was it mass or weight you were measuring? What is the difference? What units did you use?
2. Distance: What was the height that you dropped the egg from?
3. Time: How long did it take for your container to drop?
4. Speed: Work out the speed of your container. Use the formula and do all the steps! Don't forget the units.
5. Velocity: What direction did your container fall? What is the velocity?
6. Acceleration: Work out the acceleration of your container. Use the formula (what is the initial velocity? What is the final velocity?) and do all the steps! Don't forget the units.
7. Potential & Kinetic Energy: Work out the potential (use gravitational potential energy formula) and the kinetic energy of your container. Use the formulas and do all the steps! Don't forget the units.
8. Work: What is work? When did the container do work?

## Conclusion

In this section you must do the following:

1. Restate the question
2. Talk about the results – did the egg break? Describe what happened to your container as it fell. Describe what happened to it when it hit the ground.
3. Write a sentence to say whether your data supported your hypothesis
4. Were there any problems with your experiment? Were there any changes you could have made?