Writing a Conclusion

"Off to the RACES"

Restate the testable question.

During the experiment we changed the mass of the pendulum to find the effect on the frequency.

Answer the testable question. **Does this support / refute your hypothesis?**

Mass does not have an effect on the frequency of a pendulum. This supports / refutes my hypothesis.

Cite evidence to back up your claim.

For example, in my experiment, the small mass sinker averaged 51 swings per minute. The large mass sinker averaged 50.1 swings per minute.

Explain or elaborate on your evidence.

There was no extreme change in the frequency when the mass changed.

Summative statement.

All in all, changing the mass of the pendulum does not have an effect on the frequency of a pendulum.

Writing a Conclusion

"Off to the RACES"

Restate the testable question.
Answer the testable question. **Does this support / refute your hypothesis?**
Cite evidence to back up your claim.
Explain or elaborate on your evidence.
Summative statement.

FINAL DRAFT

The last step is to piece each statement together so that they make a coherent and reasonable conclusion. Use the TRANSITION EXPRESSIONS handout to help you piece the statements together.

In the experiment we conducted, we were trying to determine the effect of changing mass on the frequency of a pendulum. We figured out that mass doesn't have any effect on the frequency of a pendulum. This supports/refutes my hypothesis. Between the small mass and medium mass the average only changed between the frequency by .333 swings per minute . This shows us that there was no dramatic difference in the frequency of the pendulum when mass was changed. In conclusion, if you change the mass of a pendulum, it doesn't affect the frequency of that pendulum.