

# Lab Report Checklist

## Formatting

- Your report is single-spaced, 1-inch margins, 12 pt. font, as detailed in your Challenge guide.
- You have used concise technical writing with no slang.
- You *have used "we" and avoided "you" and "I."*
- You have used scientific vocabulary throughout the report.

## Purpose

- You have written the purpose of this experiment in a complete sentence.

## Background

- You have written a paragraph, which details important background information to help the reader understand what you did, why you did it, and what your results mean.
- You have included all important definitions, history, and theories.
- Your last sentence of this paragraph is a hypothesis if one is needed and it makes sense.
- Your hypothesis explains why this is your prediction. It is written as an If/Then statement.

## Materials

- Your materials list includes everything you used in the lab with quantities listed for each material when appropriate.

## Experimental Procedure

- Your procedure paragraph clearly explains the steps you completed in the correct order so that anyone could repeat your lab EXACTLY. It is written in past tense or passive voice.

## Results

- You have written a paragraph which explains what your data are showing.
- Your measurements are accurate and include units (such as centimeters or seconds).
- Your measurements or observations into a labeled table, graph, or picture, if appropriate.
- You have included every detail of what you observed happening (no inferences).
- You have shown any math work you did.

## Discussion

- You have written a paragraph which analyzes & discusses your results.
- You have explained whether or not your hypothesis was supported by the data.

## Conclusion

- You have written a paragraph which explains how the experiment relates to what you are learning in the text.
- You have explained how the experiment answers the question of the lab (from the purpose).
- You have identified and explained any possible sources of error.
- You have not expressed personal feelings.
- You can comment on why the experiment was interesting from a scientific perspective.
- You may include any ways to improve the experiment in this paragraph.

## References

You have correctly cited all source materials, including your textbook.