

Lab Report Template – Marine Science

Heading: Name of Experimenter Name of Partner (*If none write "No Partner"*) Teacher's Name
Date lab was done Date lab is due

Purpose: (*Sentence*)

*Include a clearly-stated scientific question, essential question or statement of purpose.

Introduction: (*Paragraph*)

- *Explain background information about the subject.
- *Include key vocabulary and underlying theories behind the experiment.
- *Give information so the reader can understand the lab.

Hypothesis and Prediction: (*Sentence*)

- * Write a possible solution for the problem in a complete sentence.
- * Make sure the statement is testable; **an if-then statement.**
- * Personal pronouns should be avoided.

Lab Safety: (*Paragraph*)

- *Statement of hazards in the lab and precautions that need to be taken.
- *Wearing safety equipment, behavior and clean-up should be mentioned.

Material/Equipment: (*list*)

- *List ALL items used in the lab.
 - *Materials (those things used up during lab) bulleted in column 1.
 - *Equipment (those things that will be used again) bulleted in column 2.

Procedure: (*Numbered list*)

- * Explains what you did in the lab in numbered steps.
- * Add details of your procedure in such a way that anyone else could repeat the experiment.

Results (Data): (*Usually a table or graph*)

- * This section should include any data tables, observations, or additional notes you make during the lab.
- * You may attach a separate sheet(s) if necessary.
- * All tables, graphs and charts should be **labeled** appropriately.

Conclusions: (*Paragraph*)

- * Accept or reject your hypothesis.
- * **Explain** why you accepted or rejected your hypothesis using data from the lab.
- * Include a summary of the data - averages, highest, lowest etc. to help the reader understand your results. Try not to copy your data here, you should summarize and reference **key** information.
- * List one thing you learned.
- *Discuss possible errors that could have occurred in the collection of the data (experimental errors.)
- *Include how you could do the experiment differently in the future or what future experiments you could do based on the data collected here.

Post-Lab Questions:

- *Re-write and number the question.
- *Answer in complete sentences.
- *Provide detail as appropriate.

Works Cited: *Include all appropriate resources used in the course of the lab.