

Gummy Bear Lab

Name: _____ Period: _____

Introduction: Apply the scientific method to determine what will cause a gummy bear to dissolve.

Question: What is it the question/problem that you are trying to answer?

Research: What do you need to find out in order to help you make a testable prediction?

Hypothesis: What is your testable prediction?

Materials: What do you need to conduct the experiment?(list everything used)

Data: What data will you collect before testing your hypothesis? (create a table in the space below to record the data)

Experiment Procedure - Step by step instructions to test your hypothesis.

1. _____
2. _____
3. _____
4. _____
5. _____

6. _____

7. _____

8. _____

Results: Write out what you discovered using the specific information from the experiment.

Conclusion: Was your hypothesis supported(correct) or refuted(incorrect)? Use the data to explain why or why not.

Extension: After finishing this experiment what new questions do you have about gummy bears?

Error: What are some sources of experimental error that could have caused your results to be incorrect?
