Name Date Per Item #\_\_\_\_\_\_\_

Skittles Lab – Don’t Taste the Rainbow

Create your own Experiment – Assessment Station

**Ask a Question:**

Based on your prior knowledge of Skittles and the materials given for the lab, what questions could you perform an experiment to answer?

As a group, decide what question your

group will investigate.

*Question can be answered/tested using data gathered in a scientific investigation.*

**Form a Hypothesis:**

A hypothesis must be testable and must only test one variable. If you can’t collect data, then it probably won’t work. If you are changing/testing 3 different things then your results will not be accurate. Write your group hypothesis as a statement and not a question. Use an if…..then format for your group hypothesis.

*Hypothesis is testable and only tests one variable.*

1.

2.

3.

What are 3 possible answers to the questions above? Be detailed in your responses.

1.

2.

3.

Our group question is:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Our group hypothesis is:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Materials List:**

*Materials list includes all items used in the experiment (including the Skittles) and is neat and easy to read.*

**Procedures (Be detailed and don’t forget to number your steps):**

**Results:** You may use words and/or pictures to record the results of your experiment.

*Procedures make sense, are detailed and numbered.*

*Results clearly state all of the outcomes of the experiment.*

**Conclusion:** Was your group hypothesis supported by your experiment? Explain why or why not. What went well in your experiment and what would you change about your experiment to improve the accuracy of your results? These are all things you should consider when writing your conclusion about your experiment.

*Conclusion states: 1)If the hypothesis was supported or not 2)Why or why not 3)What went well 4)What would*

*you change and 5) why would you change it.*

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