Protect Your Pringle Inquiry Lab

Name:_____ #_____ Class Period:_____

Lab Procedure: In this lab, each group will be given a single Pringle chip (don't let it break, you won't get a new one!). Your goal is to create a contraption with the materials available to you that will protect your Pringle from breaking when tested. We will test your contraption by placing it at the bottom of a five-foot tube and then dropping a 1lb weight from the top of the tube, allowing it to fall onto your contraption. Groups who successfully protect their Pringle will receive bonus points. Good luck!

1. Describe the problem or question that you want to answer. What key features will you include in your contraption to protect your Pringle?

2. State your hypothesis. What do you think is going to happen? (An example of a hypothesis would be- If the pink coloring in a balloon causes the material to stretch further, the pink balloons should hold more air.)

3. Design your experiment. Outline the steps you'll use to test your hypothesis.

   STEP1:_____

   _____

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   STEP2:_____

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   STEP3:_____

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STEP4:_____

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STEP5;_____

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4. Perform your experiment and collect your data. Did your Pringle survive?

5. Conclusion. Did you answer your question? Was your hypothesis supported?

6. What feature of your contraption was the best in protecting your Pringle? OR If your Pringle did not survive, what feature could you have included or improved on in your contraption?

7. Write two complete sentences below describing one science-related thing you learned from this activity.