Two-Stage Balloon Rocket

Name: _____

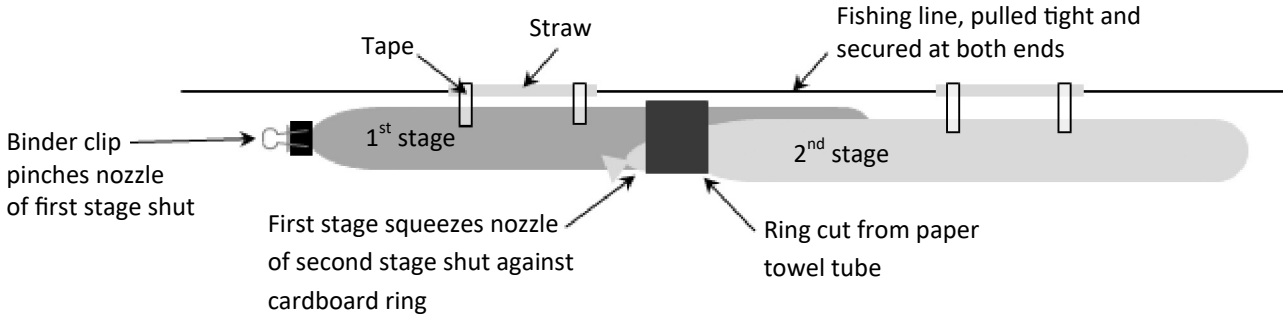
Date: _____

Student worksheet

Directions: Follow the steps below to test your balloon rocket.

Get Ready to Test

1. Refer to this diagram when setting up your balloon rocket:



2. What variables could you change that might affect how far the balloon rocket travels?

3. Which variable was your group assigned to test?

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Name: _____

Directions: Complete the steps and questions below.

Test Your Balloon Rocket

4. Here is a blank data table you can use to record how your variable affects the distance the rocket travels.
   a. Record other observations. For example, do the first and second stage balloons clearly deflate one after the other, or does the second stage balloon start deflating right away?
   b. Decide as a group how many trials you should do for each value of your variable. Use another sheet of paper if you need more space for your data table.

Variable: _____	Distance 2nd stage traveled	Observations

Reflect

5. Does your variable have an effect on how far the rocket travels? If so, what value of the variable makes the rocket travel the farthest? Be prepared to explain your results to the class.