

Name _____ Class Period _____ Date _____

Balloon Race Demo

Directions: *Do this activity with a classmate.*

1. Answer the pre-lab questions first. Blow up a balloon and twist the end. While holding onto the end, tape the balloon to the straw.
2. One of you hold the balloon, straw and move to one side. The other person will time how long it takes for the balloon to get to the other side once you let it go.
3. Do three trials and fill in your worksheets as you go.

Team Members: _____

I. Pre-lab Questions:

1. Make a hypothesis about the balloon before you begin.

a) What do you think will happen? Why or Why not? _____

b) What might affect the balloons speed? _____

II. Draw what happened:

Trial #1	Trial #2	Trial #3

Distance _____

Distance _____

Distance _____

Time _____

Time _____

Time _____

III. Calculate acceleration, speed and velocity for each trial. Show your work.

Trial #1	Trial #2	Trial #3