

NAMES: \_\_\_\_\_

DATE: \_\_\_\_\_

### Balloon Lift Activity

In this activity, you will observe whether a balloon can do work.

<b>Materials:</b> <ul style="list-style-type: none"><li>- Straw</li><li>- Balloon</li><li>- Strong tape</li><li>- magazines</li><li>- Strong elastic band</li></ul>	<b>What to do:</b> <ol style="list-style-type: none"><li>1. Insert a straw into the mouth of a balloon. Seal the straw to the balloon with tape. Wind the elastic band around the balloon seal.</li><li>2. Place a book on the balloon. Blow steadily into the straw. Observe what happens.</li><li>3. Place one magazine at a time on top of the first magazines.</li><li>4. Record how many magazines you can lift by blowing into the straw.</li></ol>
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TOTAL # of magazines = \_\_\_\_\_

**What did you find out?:**

1. What provided the force to lift the magazine(s)?

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2. Was it more difficult blowing into the balloon while lifting several books than lifting one magazine? Why?

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3. If you and a partner both blew into balloons so that two balloons were lifting the same stack of magazines, would it be easier than one person blowing into one balloon? Why?

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