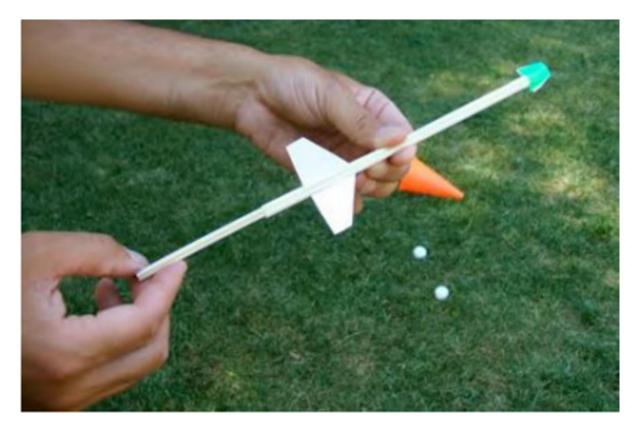
# **Straw Rockets**



Name: D	)ate:
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## **Materials**

- 1. Tape
- 2. A pair of two different sizes of drinking straws
- 3. Label stickers (or use tape)
- 4. Fin pattern (see photo below)
- 5. Scissors



## **Pre-Lab Questions**

1. Give some examples of fluids.

#### **Procedure**

- 1. Wrap a label sticker or a 7.5 cm piece of tape over one end of the larger straw to close off the opening.
- 2. Carefully cut out three fins.
- 3. Using two pieces of tape approximately 1.25 centimeters long, tape each fin about 2.5 centimeters from the back opening of the straw.
- 4. Place the smaller straw into the larger straw rocket and blow into the smaller straw.
- 5. If the straw does not fly level, add tape near the front of the glider or just behind the fins.
- 6. Use a small breath and measure the distance the rocket traveled.
- 7. Use a big breath and measure the distance the rocket traveled.

### Data

## Sample Data Table: The Effect of Air "Push" on a Straw Rocket

Trial	Small breath	Big breath	Distance traveled (cm)	Observations
1				
2				
3				
4				
5				

## Questions

- 1. Did the small breath or the big breath make the rocket travel farther?
- 2. Can you think of one thing that would make your rocket travel farther?
- 3. Why is air a fluid?
- 4. Can you think of other fluids?

