

Name \_\_\_\_\_

Subject: Beroulli's Principle

Topic: How is wind created?

Date \_\_\_\_\_



**Background:**

Find the section in your science text providing information about atmospheric pressure and winds. Explain why air moves, what pressure belts are and identify the types of winds. Your written background information should be approximately two healthy paragraphs.

**Problem:**

Is it possible to demonstrate that moving air generates areas of low pressure?

**Hypothesis:**

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**Materials:**

Create a numbered list of materials when you view this website:

<http://www.stevespanglerscience.com/lab/experiments/ping-pong-pressure>

- 1.
- 2.
- 3.
- 4.

### **Procedure:**

Use this website to generate the procedure in list format.

- 1.
- 2.
- 3.
- 4,
- 5.

### **Conclusion Questions:**

Write answers to these questions in complete sentences.

1. What does fast moving air (from the hair dryer) create?
2. Where is the area of high pressure?
3. What does the differential pressure cause to occur?
- 4 . Write ONE paragraph relating the way this experiment relates to the development of wind.