**Warm-up:**

Consider and answer the following questions:

1) What is wind made of?

2) What causes wind?

3) Why does a hot air balloon rise?

4) Why do your ears pop?

**Demonstration: Egg in a Bottle**

Draw and label a diagram of the demonstration set-up.

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After watching the demonstration answer the following questions:

5) What did you notice? Be specific.

6) What do you think caused what you saw? Describe your ideas in detail on your paper.

**Demonstration: Soda Can**

Draw and label a diagram of the demonstration set-up.

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After watching the demonstration answer the following questions:

7) What did you notice? Be specific.

8) What do you think caused what you saw? Describe your ideas in detail on your paper.

**Demonstration: Dueling Ballons**

Draw and label a diagram of the demonstration set-up.

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After watching the demonstration answer the following questions:

9) What did you notice? Be specific.

10) What do you think caused what you saw? Describe your ideas in detail on your paper.

11) What is similar about what you observed during these two demonstrations? What is different about what you observed?

12) What is wind?

13) How are wind and the demonstrations related?

14) In the demonstrations, where is the high pressure and where is the low pressure On your diagrams, use a blue colored pencil to indicate low pressure and a red colored pencil to indicate high pressure. How do you know which is which?

15) Does this information change your ideas about what you observed in the demonstrations? If so, how? If not, why do you believe your observations to be accurate?