**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Unit 3: Air Pressure Experiment**

Answer the following questions before you begin

1. Where does low pressure go in the atmosphere?
2. Where does high pressure go in the atmosphere?
3. What type of air rises?
4. What type of air sinks?

**Materials:**

Plate

Candle

Match

Water

Food Coloring

Glass Jar1. Add enough water to fill the bottom of the plate. DO NOT OVERFLOW IT!  
  
2. Put 3 or 4 drops of food coloring into the water and mix it up.  
  
3. Place the candle in the middle of the plate.  
  
4. Light the candle (Ms. DWills will come around to do this).

What does a fire needs in order to burn? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5. Take the glass and place it over the lit candle.

What invisible gases are inside the glass? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What happens to the water level inside the glass? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What happens to the flame on the candle?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Watch the water level for two minutes. What is the water doing? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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7. Why is the water rising? Discuss with your group and write down your thoughts.

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Conclusions: