

Science 1206 Lab - Air Pressure

Part 1 - Page 514 - 515: Pressure of the Atmosphere

- Directions:
1. Read the instructions for each of the Stations below.
 2. Carry out the procedure as indicated.
 3. Record your observations in the space provided.
 4. Provide a brief explanation for each in terms of air pressure differences.

Observations	Explanations
Procedure 1 - Eyedropper	
Procedure 2 - Suction Cup (Large Rubber Bulb)	
Procedure 4 - Candle	
Procedure 5 - Syringe with Balloon Inside. Draw back on the plunger and observe what happens. (Do not pull the plunger out fully)	
Procedure 8 - Cardboard Lid	
Procedure 9 - Emptying Containers	

Answer questions 1, 3 and 7 on page 514.

1. _____

3. _____

7. _____

Part 2 - Pages 544 - 545 - Air Speed and Air Pressure

What is Bernoulli's Principle? _____

- Directions:
1. Read the instructions for each of the Stations below.
 2. Carry out the procedure as indicated.
 3. Record your observations in the space provided
 4. Draw a diagram for each to indicate the regions of high air speed and low pressure.

Observations	Explanations (Diagrams)
Procedure 1 - Rising Paper	
Procedure 2 - Pop cans	
Procedure 3 - Water sprayer	
Procedure 6 - Ping pong ball and Funnel. Try putting ball on the desk, place funnel over it, and blow through the straw into the funnel. Now lift the funnel while blowing through the straw	

Answer questions 2 and 4 on page 545.

2. _____

4. a. _____

4. b. _____

