

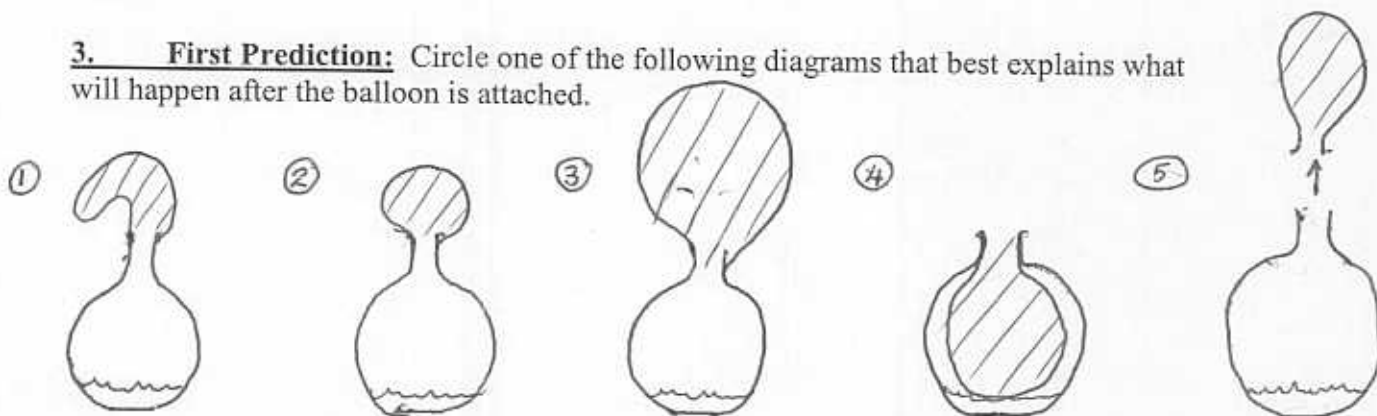
Atmospheric Pressure Interactive Learning Demonstration

Mr. Hease  
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1. **Objective:** You will predict and observe the outcome of situations in which there is an imbalance of atmospheric pressure.

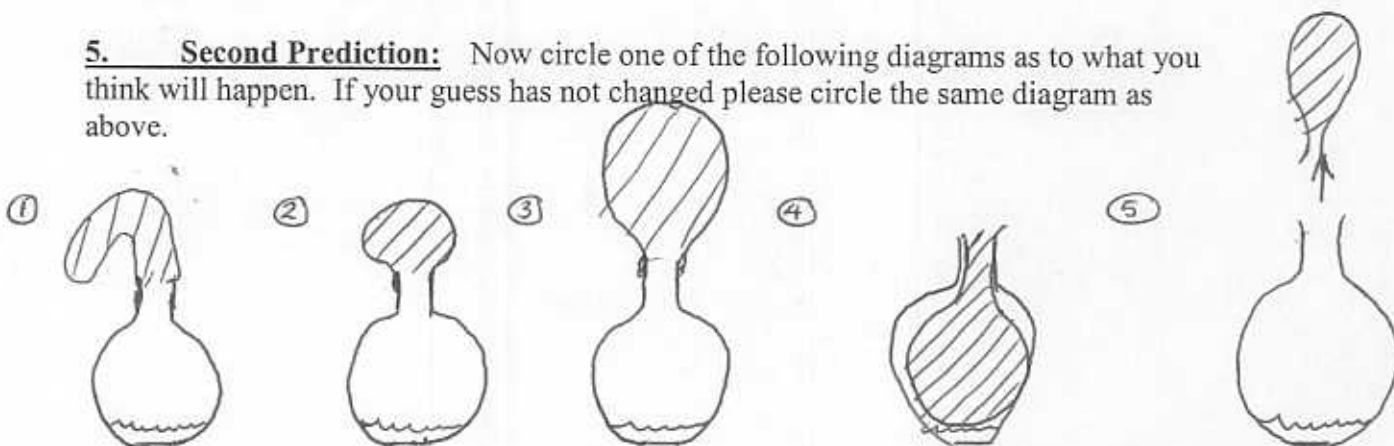
2. **Verbal Description (to class):** I am going to boil a small amount of water in a glass flask and then attach a balloon to the neck—sealing the fluids inside the flask.

3. **First Prediction:** Circle one of the following diagrams that best explains what will happen after the balloon is attached.



4. **Discussion:** Discuss with 2 or 3 friends near you as to why you chose that outcome. Take about 2 minutes.

5. **Second Prediction:** Now circle one of the following diagrams as to what you think will happen. If your guess has not changed please circle the same diagram as above.



6. **Class Data Collection:** Pass this sheet to the front of your class for the teacher to put the data on the board.

Enter the class numbers in this table:

Diagram 1	Diagram 2	Diagram 3	Diagram 4	Diagram 5

**7. Demonstration:** Teacher carries out the demonstration by boiling the water in the flask for 5 minutes and then sealing with a balloon. Write down what you observed during the next 5 minutes \_\_\_\_\_

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**8. Actual Explanation:** Write an explanation based on the teacher's explanation \_\_\_\_\_

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**9. Associated Phenomena:** Write down some phenomena that occur that use the same principle pressure differences.

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_