

Name: _____ Date: _____

How Great Is Atmospheric Pressure? - Worksheet 1

Record your group data in the table below:

Object	Weight/Force (pounds)	Contact area (inches ²)	Pressure (psi) force ÷ contact area

1. Predict which item from the class list you think is the closest example to the value of the actual pressure of the air around you?

2. Explain why you think this.

3. How does air pressure change with altitude? Explain your thoughts below.

Aluminum Can Demonstration Observations

	Your Description of Changes Observed
On tabletop, after heating	
After submerging in ice water	

1. In the space below, draw a diagram of the can in the ice water. Use a letter H on your diagram to indicate the location of higher air pressure. Use a letter L on your diagram to indicate the location of lower air pressure.

2. Explain how you knew where to put the H and L on your diagram.
