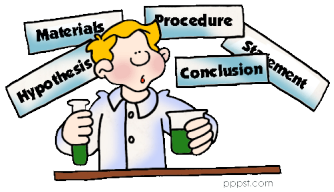
Name _____




**Science Experiment:** **Push Up (#140)**
**Cycle 1, Week 18**

***Purpose:*** To demonstrate the strength of atmospheric _____.

***Hypothesis:*** _____

_____

***Materials:*** a bowl large enough to hold a glass on its side
tap water
drinking glass

***Procedure:***

- Fill the bowl ¾ full with water.
- Turn the glass on its side and push it beneath the surface of the water. The glass should fill with water.
- Keep the glass under the water and turn it so that its mouth points down.
- Slowly lift the glass leaving about 1 inch of the mouth under the water's surface.

Draw/Write ***Observations*** in the box.

***Results:***

The water _____ inside the glass.

***Why:***

The air pushing down on the surface of the water outside the glass extends upward hundreds of miles. The pressure of this air is called atmospheric _____. This pressure is great enough to support the _____ of the water inside the glass. Thus, the water level inside the glass remains higher than the water level in the bowl.

Taken from *Janice VanCleave's 201 Awesome, Magical, Bizarre, & Incredible Experiments.* (New York: John Wiley & Sons, 1994)