Name	Period Date
	Air Pressure Demonstration
1. Air has 2. The for the top 3. Air pre	te the effects of the atmospheric pressure. <u>Understand:</u> mass and exerts pressure on everything with which it comes in contact. The exerted on a surface by air is equal to the pressure of a column of air above the surface extending to of the atmosphere. The exerted equally in all directions. The structure of the cup filled with water is overturned?
The result?	
Trial 2: Predict who	at will happen when a cup of water is overturned when there is an index card covering the cup?
The result?	
Trial 3: Predict who a hole in the bottom	at will happen when a cup of water is overturned when there is an index card covering the cup - which has ?
The result?	
Questions 1. In Trial 1, what o	caused the water to fall out of the cup?
2. In Trial 2, what I Trial 1?	neld the index card to the cup? What prevented the water from falling out of the cup as it had done in
3. Explain why the	water and the index card fell from the cup in Trial 3 of the demonstration.
	observations, in which direction(s) is air pressure being exerted? Draw a picture representing your observations, in which direction(s) is air pressure in your own words?
5. Try to explain w	hy we usually do not feel the pressure of the atmosphere around us. When do we feel air pressure?