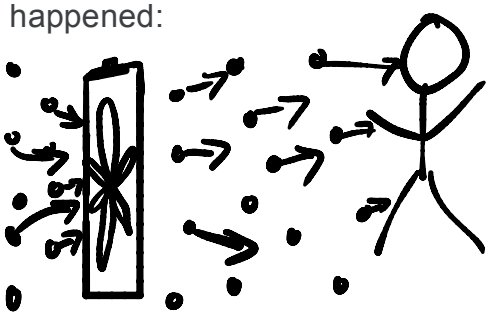
Activity #3: Properties of Air

Name: _____ Date: _____ Period: _____

LT: I can explore different characteristics of air and connect what I learn to the tanker phenomenon.

Instructions: There are six (6) total activities that you will be doing or observing in this activity to help you explore different properties of air. The first two activities will be conducted as demonstrations for the entire class. The other four (4) are stations that have been set up around the classroom. As you visit each station, use the instructions provided to complete the activity. Create a diagram to show what happens and write down observations while doing/observing the activity. After completing the activity decide what you have learned about air, write down inferences you are able to make and connect the activity to the tanker phenomenon.

<table>
<tr><td colspan="3">Demonstration 1: Air is it There?</td></tr>
<tr><td>Diagram: Draw and label what happened:
  </td><td>Observations:</td><td rowspan="2">Information that helps support the tanker phenomenon:
There were particles of air inside and outside the tanker.</td></tr>
<tr><td>What did you learn about air?
☐ Air has mass
☐ Air has volume
☑ Air exerts pressure
☑ Air is made of particles that are moving
☐ A change in temperature affects pressure
☐ A change in pressure affects temperature</td><td>Inferences:
Air is made of particles (matter) that can push on their surroundings.</td></tr>
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