

Lab Sheet: Toothpick Experiment

Materials needed	<ul style="list-style-type: none">• Toothpicks (preferably flat ones) – at least 2• Transparent bottle with lid (2 litre plastic bottle would work well)• Water
Hypothesis – what do you think will happen?	<p><i>When the toothpicks are dropped in, I think...</i></p> <p><i>When pressure is applied to the outside of the bottle, I think ...</i></p>
Procedure	<ol style="list-style-type: none">1. Fill the bottle to the brim with water.2. Drop the toothpicks into the water. (You can drop between 2-5)3. Secure the lid on the bottle.4. Record observations (oral, written, and/or drawn) about what happens to the toothpicks.5. Squeeze the bottle with your hand near the top of the bottle.6. Record what happens to the toothpick. Record what happens when you squeeze and release: what does the toothpick do?

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Observations *Remember observations can be recorded with pictures, numbers and/or words!	
Conclusions	
Questions	How does this connect to Pascal's Law? Record your ideas in a method of your choice.