

Focus question: How does a barometer work?

Background:

Claim:

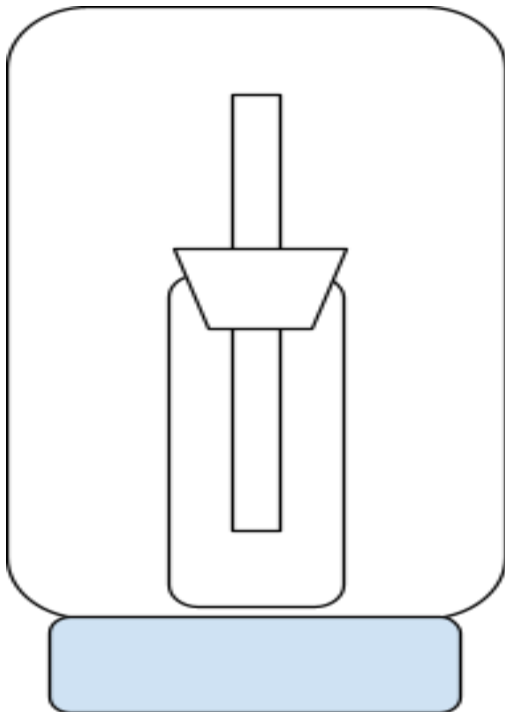
If the jar is squeezed, then _____

Diagram & Observations;

1. *Give the bottle-in-a-jar a squeeze. What happens?*

When the jar is squeezed, the water _____.

2. *Why? Draw on the diagram to help you explain.*



☐ Citing sources
☐ State data
☐ Comparison data
☐ Make sense of data
☐ Using units
☐ Transition Words
☐ Connect data to claim
ALL = (PR)

Evidence: Use the checklist above to see if the Evidence is complete. Make corrections as needed.

In the investigation we did in class called “Pressure in a Jar”, the water in the tube went (up/down). When more pressure was applied, the water in the tube went down (more/less). This means that when the air went down more in the tube, the air pressure was higher. Therefore, these observations support the claim that the water in the tube will go (up/down).

Vocabulary

Before writing the reason, identify key vocabulary that you will need to use in your reason section.

☐	_____
☐	_____
☐	_____
☐	_____

Reason: Use the Reason Checklist below.

☐ Cite sources
☐ Addresses the claim
☐ Grounded in scientific LAW, theory, or key concepts
☐ Uses scientific vocabulary
☐ 6th grade: 3-4 sentences; 7-8th grade: 5-6 sentences, thoughtfully written
☐ CCC explained
ALL = (PR)

The reason the water goes down in the tube is because it acts like a _____. In the YouTube video “How a Barometer Works” by The Science Classroom it says