

## Phenomenon: The Effect of Cold Guided Inquiry Lesson (L1)

|  |   |
|--|---|
| <p>What do you notice?<br/>(Observation)</p>  | <p>Rosie puts a cold compress on a swollen bump and swollen eyes.</p>   |
| <p>What do you wonder?<br/>(Question)</p>    | <p>Why does she do that?</p>  |
| <p>What information do you have?</p>        | <p>Rosie looked around some more.<br/>"What's this hat for?"<br/>"It's called a compress," Mom explained.<br/>"If you put ice inside, it can help bring down swelling..."</p>   |
| <p>What do you think?<br/>(Hypothesis)</p>  | <p>I can pretend that a balloon is a swollen bump. I think if the balloon gets cold, it will:<br/>(circle one)</p> <p>Get bigger                      Get smaller                      Stay the same size</p> <p><small>Image Credits: iStock.com/PokotaPoco,Victor_Brave, Bubert, Aryshtevych</small>                      <small>©2023 Waterbear Publishing</small></p> |

**Experiment**



I drew a line around a balloon, then I measured the line using string. I put the balloon in a freezer for a while. When I took it out, I measured it again using string.

**I noticed  
(Data)**



String before

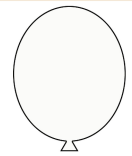
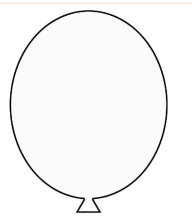
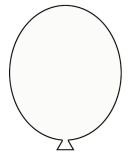
String after (circle)

\_\_\_\_\_

\_\_\_\_\_

Balloon before

Balloon after  
(circle one)



**I learned that  
(Conclusion)**



Putting a balloon in the freezer (to get cold) makes it :  
**(circle one)**

Get Bigger

Get Smaller

Stay the same size


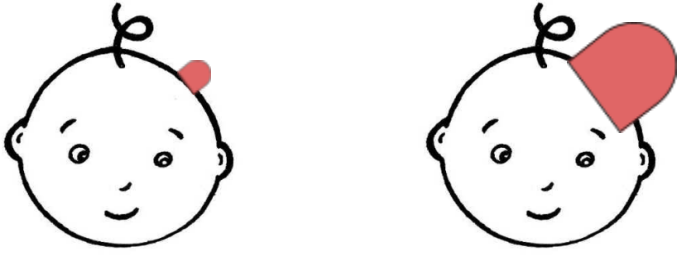
**Tell Others**

\_\_\_\_\_



I learned that when a balloon gets cold, it gets \_\_\_\_\_.

Connection: Draw a ring around what a swollen bump looks like after ice is put on it

| Bump Before Ice is Put on It  | Bump After Ice is Put on It  |
|---|--|
|  |  |