

Black & White Bottle Experiment

Name: _____

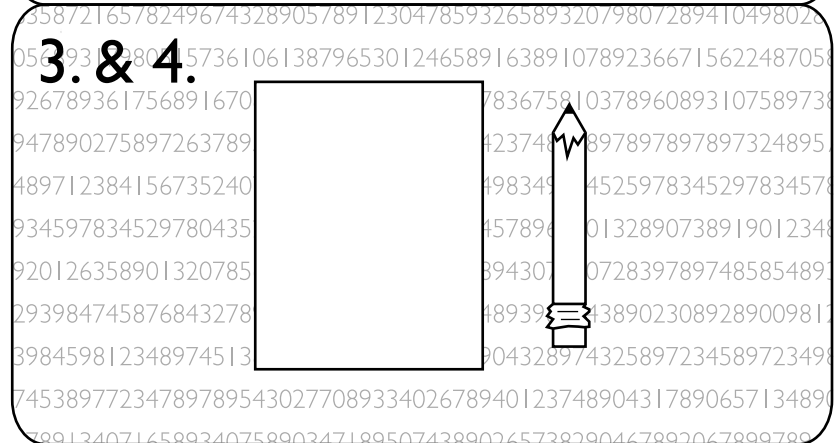
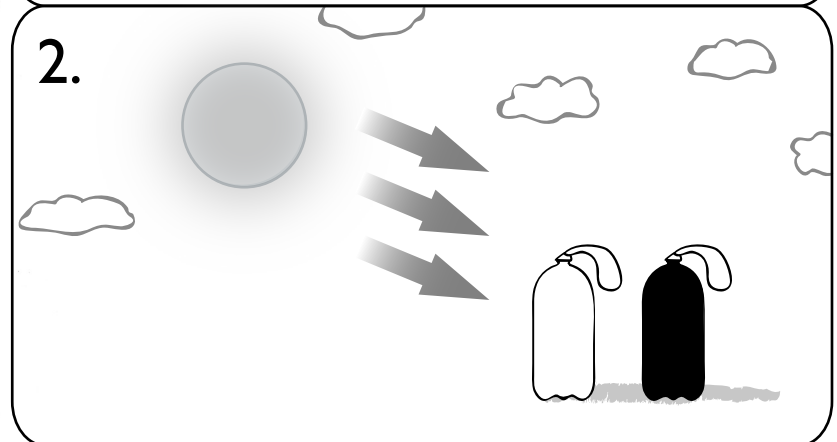
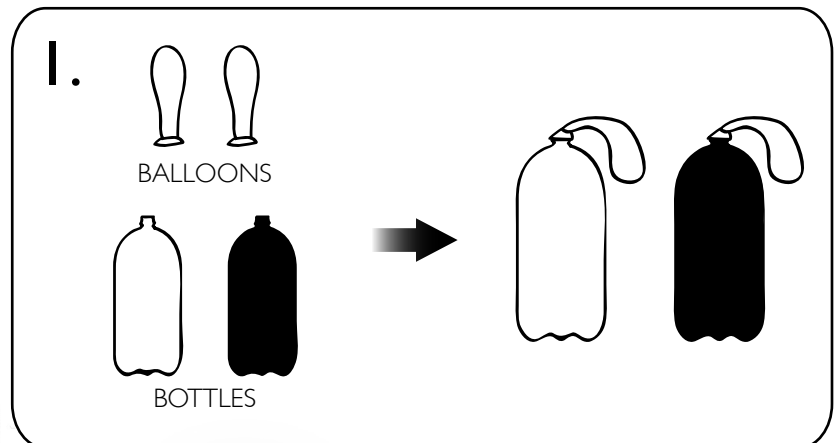
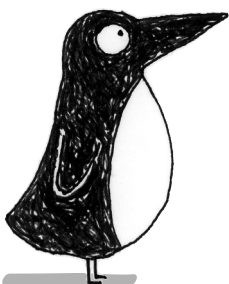
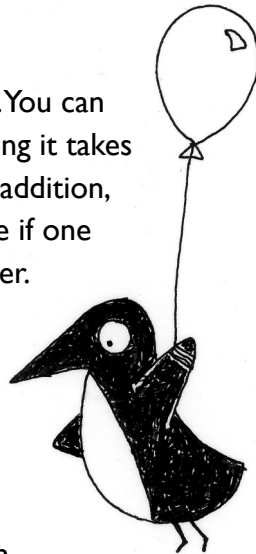
Prediction: Which balloon do you think will expand more quickly? Why?

1. Place the open end of one small balloon on the mouth of the white bottle. Do the same for the black bottle. Be sure the balloon forms a air tight seal.

2. Place both bottles in bright sunlight either inside or outside.

3. Observe both bottles. You can use a watch to see how long it takes the balloons to change. In addition, touch both bottles and see if one feels warmer than the other.

4. Record the visual appearance of each balloon and how the balloons and bottles feel when touched. You can use the chart on the next page to diagram your results.



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Draw a diagram showing what happened to your bottles. What conclusions did you reach?

White Bottle

Black Bottle

Conclusions:

