

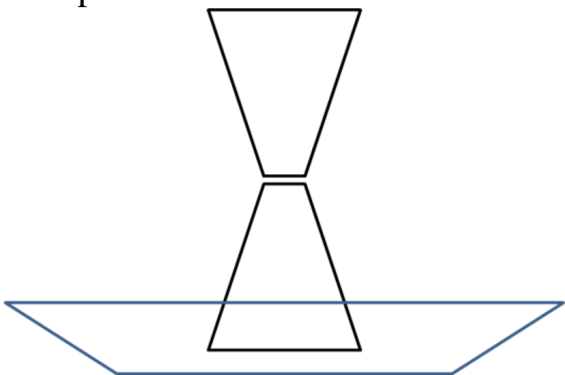
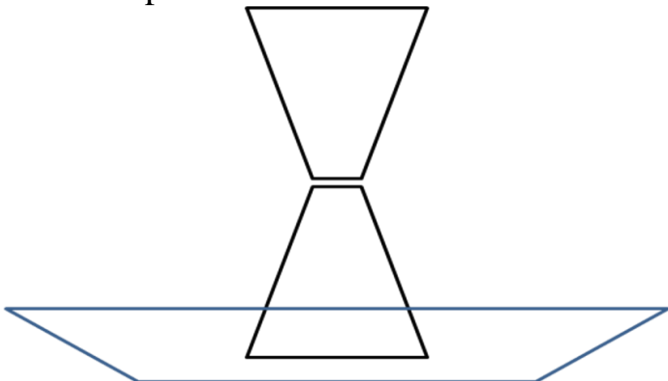
Name: _____

Mystery color mixing lab

I. Demonstration

Write two sentences explaining how it was possible for the two colors not to mix.

II. Data

<p>Test #1: Draw what happened when cold water was on top:</p> 	<p>Write down your observations</p>
<p>Test #2: Draw what happened when warm water was on top:</p> 	<p>Write down your observations</p>

III. Results

1. Draw a picture of the atoms in each of the waters

<p style="text-align: center;">Warm water (atoms moving fast, more spread out, less dense)</p>	<p style="text-align: center;">Cold water (atoms moving slow, closer together, more dense)</p>
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2. Why did the colors not mix when the **warm** water was on top of the **cold** water? (use the words “less dense” and “more dense” in your explanation.
