

Problem: How will the mystery liquid change the colors?

Information: Colors are spreading a bit but not mixing

Some of the colors are settling to the bottom of the dish

Some colors are spreading out more than others

Hypothesis: If the mystery liquid is added, then _____.

Materials: Liquid food coloring (4 drops each)

Whole milk

Ajax dish soap (orange) in a cup

Plastic bowl with deep sides

Procedure:

- 1) Pour milk into bowl to fill the bottom about 1 inch deep
- 2) Squeeze 4 drops of food coloring into the milk to create a diamond shape
- 3) Place the edge of the cup on the rim of the bowl and slowly pour the mystery liquid into the bowl
- 4) Observe and record the data

Data: (drawings of before/after)

Observations: some of the colors started blending

All of the colors moved to one side- opposite from the mystery liquid

The color that the mystery liquid touched expanded the most

When the mystery liquid was poured in the colors separated into bubbles

Colors appeared darker

When the mystery liquid was poured in, the colors on the bottom came to the top

The colors were pushed to one side and then they swirled together

The mystery liquid blended with the yellow and made a pale color in the middle of the bowl

When all of the colors started mixing, the red turned into a bright neon pink