

RISE CAPILLARY SCIENCE FAIR PROJECT

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Question:

Do all liquids have the same capillary rise?

Hypothesis:

I don't think all liquids have the same capillary rise because some liquids are thicker than others.

Materials:

6 Clear Plastic Cups

3 Napkins

Water

Red Food Coloring

Oil

Coke Soda

Procedure:

- #1. I filled one of the cups halfway with water.
- #2. I filled another cup halfway with oil.
- #3. I filled the last cup halfway with the coke soda.
- #4. Next, I put a napkin from the liquid cup to the empty cup.

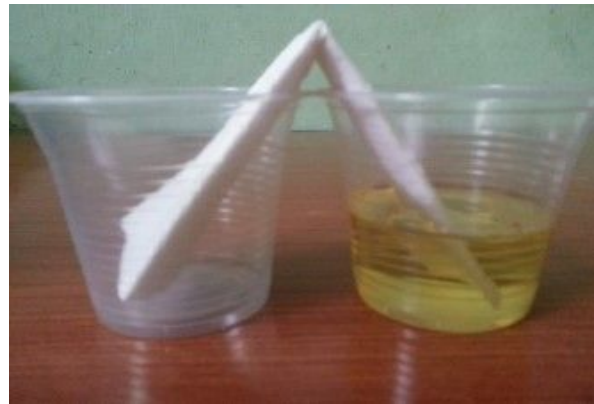
Observations:

Water is traveled a lot faster than the other liquids. Oil is the slowest ever!!! The napkin is floating in the coke soda, it's not down like in the oil and red water. The water filled the same height after 3 hours. The coke soda filled only a little bit. And the oil, it barely made its way across the napkin. It did not fill the cup.

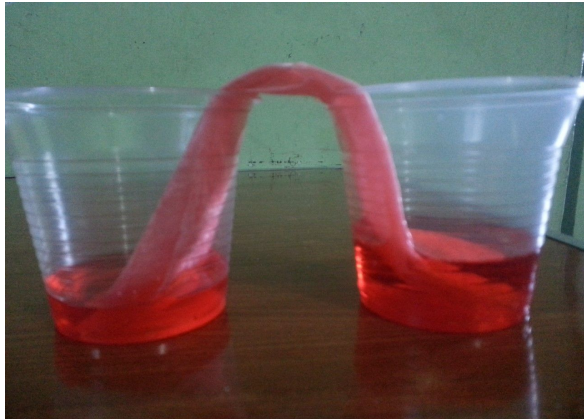


Setting up experiment.

Pic #1. Water with food coloring. Pic#2. Soda. Pic#3. Oil.



The start of the experiment.





Final of the experiment.

Conclusion:

Not all liquids have the same capillary rise.