

Chemical Reaction

Magic Milk Color Dance

Learning Objective

Investigate the cause and effect of a chemical reaction.

Materials

Shallow bowl

Milk

Food color

Dish Soap

Q-Tips



What to do

1. Pour milk into the shallow bowl.
2. Drip food color on top of milk. Use at least three different colors.
3. Dip Q-Tip in the center of the bowl. Watch as the color moves away from the Q-Tip.
4. Pull Q-Tip out and drip in a few drops of dish soap. Watch as the color dances around the bowl.

Questions

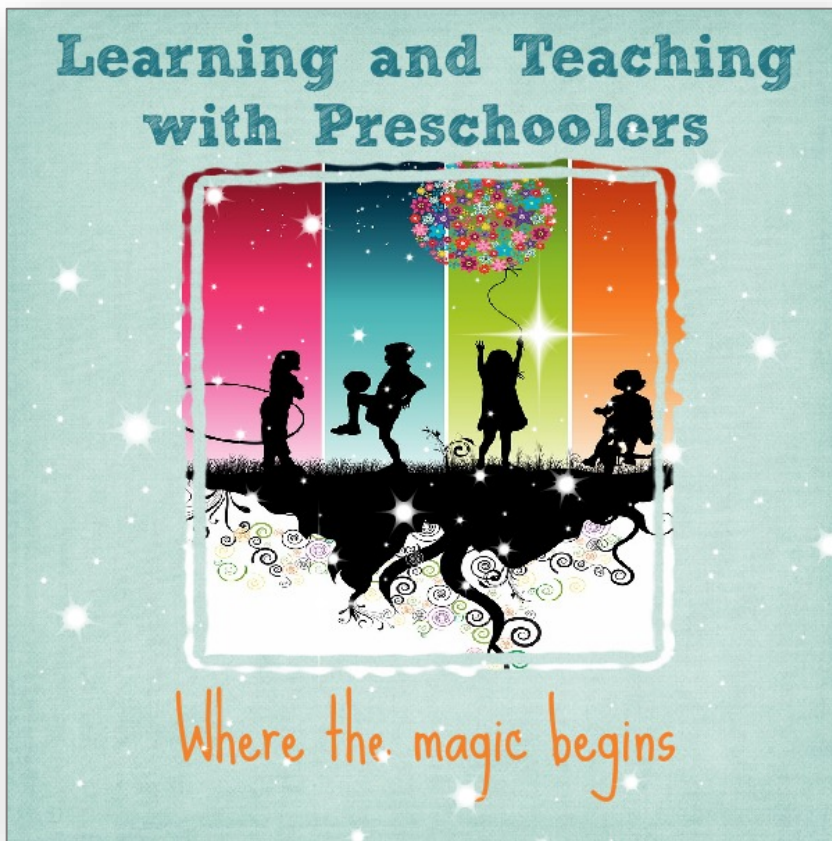
~Why did the color dance around the bowl?

Answer

A chemical reaction begins to occur.

Milk is made up of mostly water but it does contain vitamins, minerals, proteins and small droplets of fat. The fat and proteins are super sensitive to changes in the milk and so when the dishwashing liquid is added a chemical reaction occurs. The soap and fat work hard to join together, which causes the movement.

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I'm Tami Sanders creator of Learning and Teaching with Preschoolers, a blog to help teachers create magical moments for the young.

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