

Technicolor Milk!

3rd - 5th
Grade

Materials

- Tablecloth or placemat
- Aluminum pie tins or shallow plates
- 2 cups
- Whole milk
- Liquid dish soap
- Food color
- 1 cotton swab per child

Students will learn about the molecular properties of liquids and how soap affects fatty molecules.

Directions

1. Pour two cups: water and milk. Compare.
2. Pour some milk into a pie tin or shallow plate
3. Add a few drops of food coloring, being sure not to mix the colors.
4. Add a small amount of dish soap to a cotton swab, then gently place the soapy end into the food coloring.

Questions to Ask

1. How are molecules in a liquid arranged?
2. How do liquids differ (i.e water vs milk)?
3. What happens to fat molecules when soap is added?



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