

Color Changing Milk

What Do I Need?

- High fat Milk
- Food Coloring
- Cotton swabs
- Pie plate
- Dishwashing soap



What Do I Do?

- Fill the bottom of the pie plate with milk.
- Add drops of food coloring to the milk. What happens when you put them far apart or close together?
- Predict what will happen if you touch the cotton swab to the center of the milk. Now try it!
- Dip the other end of the swab into the soap and predict whether the soap will have the same result as the dry swab.
- Dip the soapy end into the milk and watch the show!

What's Going On?

Milk contains lots of water but also vitamins, mineral, fats, and proteins. These proteins and fats react to what happens in the area around them. The soap causes the chemical bonds of the proteins to change, resulting in the color explosion!

