



Surface Tension

(Remember always ask permission and clean up after you are done)

Materials Needed:

Shallow pie plate or pan
2 cups of whole milk
Dish Soap
Liquid Food Coloring
Toothpick

Directions:



Pour milk into a pie plate to make it about $\frac{1}{2}$ - $\frac{3}{4}$ inch deep



Carefully dot the surface of the milk with about 4-5 drops of food coloring around the edge of the milk. Try not to touch the table or the milk



Dip the toothpick into dish soap



Put 1 drop of soap into the middle of your pie plate



Be patient, watch what happens!



Take some photos as your colors swirl. You can post them on the Beanstack website in your summer reading account.

All liquids have surface tension caused by molecules bonding together. When the soap is added the molecules break and causes the colors to move and swirl.