

### ***Materials***

- Shallow Dish (we recommend a clear dish)
- Dish Soap
- Milk
- Cotton Swab
- Food Coloring in 4 different colors

**1**

Pour the milk into your dish. The milk should cover the bottom of the dish.

**2**

Add one drop of each food coloring to the milk. Keep the drops close to each other in the center of the dish.

**3**

Take a guess about what you think will happen if you take a clean cotton swab and touch it to the food coloring. Once you have your hypothesis, touch the cotton swab to the food coloring. Do not mix.

**4**

Put a drop of dish soap on the other end of the cotton swab. What do you think will happen when you touch the cotton swab to the food coloring? See if your hypothesis was correct! What does the food coloring do?

**5**

Continue to experiment with the dish soap and food coloring. Watch as the food coloring spreads and mixes. Can you make different patterns and colors using the cotton swab?

