

MILKY COLOURS

What you need

Bowl

Milk ~ 200ml

Food colours – 4 colours

Detergent – few drops

What you do

Place the bowl where it won't be disturbed.

Add the milk to the bowl (the bowl should be about half full).

Place a few drops of food colour in four places evenly spaced from the middle.

Let the contents of the bowl settle.

Once contents settled, add a few drops of detergent to the middle of the bowl of milk.

Watch what happens – do so for a few minutes.

When the mixture settles down add another few drops of detergent.

What should happen

After you add the detergent the food colours should start swirling and mixing.

Why this happens

What is the job of detergent? To help break down fat and grease when you are doing the dishes. Detergent is designed to locate fat and break it down.

What is in milk that might make the detergent spread out through the bowl?

Investigations from this experiment

What is the best type of milk to make the colours swirl the most?

What is the best type of detergent to make the colours swirl the most?

What is the best type of colour to make the colours swirl the most?