

Can you turn milk into plastic?

In this experiment we are going to see what happens when we mix milk with vinegar.

What you need:

- 1 cup hot milk (microwave about 1 minute)
- 4 tablespoons of vinegar
- Strainer
- Optional: food dye

What to do:

1. Mix the 4 tablespoons of vinegar into the hot milk in a bowl. Add a very small amount of food dye if you want. I used red. You will notice that the mixture smells and looks **gross!**
2. Keep stirring! The milk will start to clump up when the acid in the vinegar breaks down the protein in the milk.
3. Now strain the milk through a strainer. Use a spoon to push the clumps so all the liquid drains out.
4. Gather the hard clump and use paper towel to remove any more liquid. You can shape the milk clump with your hands. I made a flower and a snail. Leave it for a couple of days to dry and see what happens!
5. Take a photo of your milk plastic shape and upload to the [Kids Club Online Gallery!](#)
6. Check out our [Wizz Kids Online](#) video where we turn milk into plastic!

