



# MAKE YOUR OWN SLIME

## THE SCIENCE:

Slime is made by taking something with a long chain of molecules called a polymer (PVA glue) and using an activator (contact lens solution) to stick the molecules together. The molecules in the PVA glue stick together in random places. This means it holds its shape really well but it is also stretchy.

The PVA in PVA glue stands for Polyvinyl alcohol. We need this and borate ions which are made when bicarbonate of soda (baking soda) is mixed with contact lens solution. The solution contains the ingredients boric acid and sodium borate.

Slime is a fun activity but it is made of plastic which can be bad for the environment. To keep it fun to play with store it in an air tight container. This means you only have to make it once.

Watch this video for more information <https://uni4me.co.uk/activities/the-science-of-slime/>

## TO MAKE YOUR VERY OWN SLIME:

1. Add the PVA Glue to a non-stick bowl
2. Add half of your pot of Baking Soda to the PVA glue

**TOP TIP** - Add your solution/baking power very steadily – just a tiny bit at a time!

3. Add a few drops of your food colouring and stir until there are no white bits

**WARNING** - Be careful using the food colouring as it may stain surfaces

4. Add 10 drops of contact lens solution
5. Stir the mixture together
6. If the slime is not mixing well, add a few more drops at a time until your slime is not sticky. Do this slowly a few drops at a time
7. **OPTIONAL** - Add 2 tablespoons of water if you'd like stretchier slime. Do this slowly. If the mix is wet, add some more baking soda a small pinch at a time

