

ASSEMBLY:

1. Place the Worm Pool (l) onto the rotating area of the Slime Lab making sure the raised section in the middle of the rotating base slots into the hole in the base of the Worm Pool.

2. Assemble the Water Mixer by placing the clear plastic tank onto the Slime Lab in the position shown, making sure the nozzle in the bottom of the tank slides into the water pipe tube.

3. Slot the slime mixer rod through the Water Mixer lid and attaching the Water Mixer Handle (b).

Screw the nozzle onto the Worm Goo Dispenser (k) and place it into the holder on the Slime lab.

Clip the Tweezers (n) onto the raised section just behind the Worm Pool.

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THE SLIME COLOURING

The Yellow and Blue Colouring (3 and 4) are supplied in powdered form. Before each is used, remove the cap, pull out the dropper and fill the bottle to the line indicated with cold water. Replace the dropper, screw the cap back on and shake. *Note: Colouring can stain so always wear old clothes and cover the work area with newspaper.*

LET'S MAKE SOME SLIME

1. Fill the Worm Pool (l) with cold tap water. Remove the lid of the Water Mixer (a) and pour the water inside.

2. Add 10 drops of the Pearl Effect Liquid (5), making sure you shake it well before hand and 20 drops of either the Yellow (3) or Blue (4) Slime Colouring – or why not make green slime by mixing the Blue and Yellow together.

3. Replace the Water Mixer Lid and give the Water Mixer Handle (b) several turns to mix all the ingredients together.

4. Unscrew the top half of the Slime Mixer container. The top half is the end with the Slime Mixer Lid (j), you will see that there is a plastic recess inside – this is the holder for the powder that will help to make your slime.

5. Using the Measuring Spoon (h), place one scoop of Slime Powder (6) into the Slime Powder Holder (f).

6. Now screw the Slime Mixer back together **MAKE SURE YOU KEEP THE TUBE UPRIGHT TO PREVENT THE POWDER FALLING INTO THE BASE OF THE TUBE AND MAKE SURE YOU SCREW IT ALL THE WAY ON TO PREVENT LEAKAGE.**

7. Now for the fun part - pump the coloured water from the Water Mixer into the Slime Mixer by pressing down on the Bellows Pump (c). It will take a few pumps to transfer all the liquid.

8. When all the water has been transferred, hold the Slime Mixer Handle (g) on the side of the Lab and quickly turn the Slime Mixer. **KEEP TURNING AT QUITE A FAST SPEED FOR 3 MINUTES.**

9. After 3 minutes you can slow the speed of rotation down. Keep turning for a further 3 minutes.

10. Now, after the excitement has started to build...you need to be patient for around 30 minutes while the liquid sits untouched in the SLIME MIXER to allow time for the chemical magic to happen.

11. After 30 minutes give the Slime Tube a few more turns and you should have a tube of icky, slimy goo.

12. With the Slime Mixer Lid uppermost, remove the lid and gently rotate the Mixer down to pour into an open Slime Barrel (i). Pressing the Bellows Pump will help to transfer the slime into the Barrel.

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THE AMAZING ANTI GRAVITY EXPERIMENT

1. Try pouring your slime back and forth between the original Barrel you put it in and an empty one. You will start to notice a very strange effect. Once you start to pour the goo you just can't stop it flowing as it crawls up and over the sides of the Barrel in a "self-siphoning" action. Make sure that you keep the Barrel you are pouring from higher than the one you are pouring into.
2. As the slime continues to flow, you will find that you hardly need to pour it at all...it will climb up and out of the Barrel on its own. It's like a living blob that might take over your house! Gross!

IMPORTANT NOTE: If you get so caught up in the amazing effect you are witnessing and forget to aim well and spill your slime, don't worry it easily washes off hands, but be careful as washing it off clothes, carpets and furniture is very difficult – put down some newspaper before you start experimenting and wear old clothes is our advice for an easy life!

When you have finished playing with your slimy mess, get rid of it in the bin. Don't pour it down the drain or sink unless you want to have some very strange plumbing problems!

What's happening in this experiment: The goo that you have just made is actually an extraordinary polymer specially formulated for this kit to act in an unusual way. The big science words for what you have just witnessed are that the Slime Powder combines sponge-like properties of polyacrylamide polymers and the molecular linking properties of acrylic co-polymers. Confused? In plain English it means that your Slime Powder acts like a sponge and has soaked up lots of water and linked the molecules into long chains. Basically, you will see that it clings to itself and is really springy, so when you pour it from one Barrel to another, its molecules cling to each other, pulling the rest of the slime along.

LET'S MAKE OOZE-FILLED WORMS.

1. Pour cold tap water into the Worm Pool (l) until it is about $\frac{3}{4}$ full.
2. Using the Measuring Spoon (h) place $\frac{1}{2}$ a scoop of the Worm Setting Powder (8) into the water and stir until all the Powder has dissolved.
3. Unscrew the lid of the Worm Goo Dispenser (k) and pour Worm Goo inside until almost full.
4. Add 20 drops of whichever Colouring you wish.
5. Use the handle end of the Measuring Spoon to mix the Goo and Colouring together.
6. Replace the Dispenser lid and fix it back into its holder in the Slime Lab.
7. By turning the Worm Pool Spinner (m), get the Worm Pool Spinning.
8. Now squeeze the Worm Goo Dispenser which will drop a stream of Goo into the water **NOTE: make sure you remove the end cap from the Dispenser nozzle.**
9. Use the Tweezers (n) to scoop your mutant worms from the Worm Pool. Give them a squeeze and see what happens.
10. Why not add your creation to your barrels of slime?

What's happening in this experiment: when the Worm Goo meets the Setting Powder solution, a chemical reaction forms. Molecules in the Goo link with molecules in the solution forming a gel. A gel is a soft substance that has the properties of both liquids and solids. The outer edges of the Goo stream react with chemicals in the Powder. The calcium ions in the Setting Powder solution cross-link with the polymers in the Goo, attaching them to each other at many points forming the outer gel skin of your worm shape. The inner parts of the worm are not in contact with the Powder solution so they remain liquid.

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AFTER YOU HAVE FINISHED PLAYING

As the slime is very sticky it is important to clean your Slime Lab as follows:

1. Flush out the pipes with tap water to prevent the slime drying out and clogging them up. Fill the Water Mixer with tap water and pump it through into the Slime Mixer.
2. Unscrew the Slime Mixer and wash the parts with warm soapy water.
3. Empty the Worm Goo Dispenser, wash with warm soapy water and leave to air dry.
4. **IMPORTANT: NEVER POUR THE SLIME, SLIME POWDER OR THE MUTANT WORMS DOWN THE SINK. ALWAYS DISPOSE OF THEM IN HOUSEHOLD WASTE.**

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