

Fireworks in a Glass

Science Experiment



Method

1. To start with, make sure your glass is clean.
2. Pour the warm water into the glass until about $\frac{3}{4}$ full.
3. In the other glass, add a few spoonfuls of oil and 4 drops of food colouring.
4. Add some different colours to the oil.
5. Using the fork, mix together the oil and food colouring, to spread the colours throughout the oil.
6. Finally, pour the coloured oil into the glass of warm water and watch for the 'firework' display to start.

You will need:

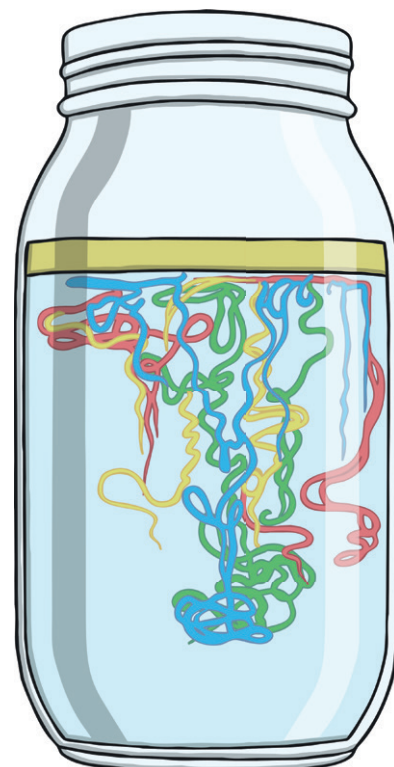
Food colouring (various colours)

Warm water

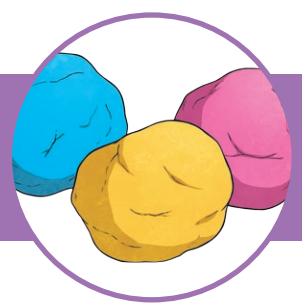
Oil

2 empty glasses

Fork



Unicorn Slime Science Experiment



You will need:

500ml clear, washable glue

5 tbsp cornflour

water

measuring jug

1 bowl per colour of slime

1 spoon per colour of slime

food colouring: red, yellow, blue



What to do:

Follow these instructions for each different colour of slime.

1. In a bowl, add 100 ml of water and 100 ml of glue and mix well together.
2. Add the food colouring. Add more colouring for a deeper colour.
3. In a measuring jug, mix 100 ml of water with 1 tbsp of cornflour.
4. Begin to add the cornflour-water mixture to the glue, a spoon at a time, mixing it well. Keep adding the cornflour-water mixture and combine until you get the consistency that you require.
5. As the mixture comes together, start to use your hands to get all the ingredients into one large ball.

To make the secondary colours, mix:

- yellow and blue slime for green.
- red and yellow slime for orange.
- red, yellow and blue for purple.

Now, stretch out each batch of slime next to each other to create a colourful, rainbow unicorn's tail.

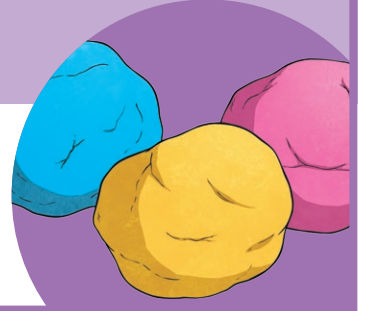
We hope the information on our website and resources is useful. However, some ingredients and/or materials used might cause allergic reactions, so if you have any concerns about your own or somebody else's health or wellbeing, always speak to a qualified health professional. Remember, activities listed within the resource should always be supervised by an appropriate adult.

Unicorn Slime Science Experiment Question Cards

What does the slime
feel like?



Can you make shapes
with the slime?



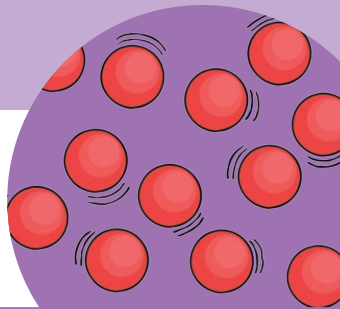
What happens if you
mix red and
blue slime?



What happens if you
mix yellow and
blue slime?



Is the slime a liquid
or a solid? How
do you know?



Rain Cloud in a Jar

You will need:



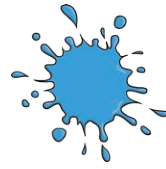
Shaving
cream



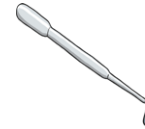
A clear
large jar



Water



Blue food
colouring



Pipettes or
eyedropper



Small
bowl

Method:

1. Fill the large jar with water, leaving 2 inches at the top.
2. Add the shaving cream to the top of the water until it reaches the top of the jar.
3. Next, add 1 cup of water to the small bowl and 3 drops of blue food colouring.
4. Mix the water and food colouring together.
5. Use the pipette to add drops of the water mixture to the top of the shaving cream cloud.
6. Continue adding the water mixture until you begin to notice the raindrops begin to break through the bottom of the cloud.



Awe and Wonder

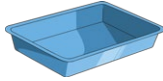
Soap Bubbles Prints

You will need:



Ready mix paint

Shallow tray



Water



Brushes



Washing-up liquid



Straws



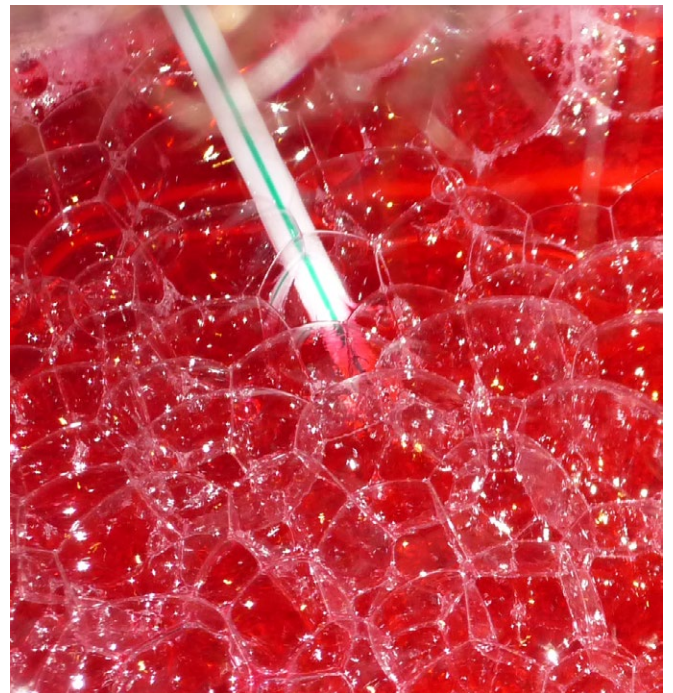
White paper



Paint pots

Method:

1. Mix together, $\frac{1}{3}$ ready mix paint, $\frac{1}{3}$ water and $\frac{1}{3}$ washing up liquid in a paint pot.
2. Pour into a shallow tray.
3. Take a straw, place into the liquid and begin to blow, make sure not to suck otherwise you'll end up with a mouth full of paint!
4. Move the straw around creating bubbles.
5. Once the tray is full of bubbles take a sheet of paper and lay it carefully on top of the tray pressing down gently.
6. Lift it off and see the print you have created of the bubbles.



The Science Bit

Because washing up liquid can hold air inside its bubbles when you blow air in to the mixture it stays there creating lots of coloured bubbles. Because there is water in the mixture when you put paper on top of it the water is sucked into the paper, leaving a print.

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