

FIREWORK IN A GLASS



You'll need

Vegetable or sunflower oil
Warm water
Food colouring
Glass or jar



Instructions

Fill the glass or jar about 3/4 full of warm water

Carefully pour a small layer of oil onto the surface of the water and leave to settle. Note that oil and water don't mix!

Carefully drop small amounts of food colouring into the jar. You should see the food colouring drop through the oil into the water leaving colourful trails behind.

Extension Task

Try with colder or warmer water, is the display different?



Why does it work?

Food colouring is heavier than water so sinks to the bottom of the glass leaving trails (resembling fireworks) as some of the colour diffuses into the water.