

# UNDERWATER FIREWORKS EXPERIMENT

## SCIENCE CHALLENGE

With your kitchen as your lab and baking supplies as your ingredients, create your own underwater firework spectacular!



WATER



OIL



FOOD COLOURING



2 X 16oz CLEAR GLASS



A FORK



1. Fill the tall glass almost to the top with room-temperature water.
2. Pour 2 tablespoons of oil into the other glass.
3. Add 2 drops of food colouring to the glass with the oil.
4. Stir the oil into the food colouring using a fork. Stop once you break the food colouring into smaller drops.
5. Pour the oil and colouring mixture into the tall glass.
6. Now watch! The food colouring will slowly sink in the glass, with each droplet expanding outwards as it falls. Looks like fireworks! Right?

These underwater fireworks go off because of density. When the drops of food colouring hit the dense salt water, they disperse like exploding fireworks!