

Water fireworks



Protocol

1. Fill the tall glass almost to the top with room-temperature water.
2. Pour three tablespoons of oil into the other glass.
3. Add three drops of food coloring to the glass with oil.
4. Stir the oil and food coloring using a fork. Stop once you break the food coloring into smaller drops.
5. Pour the oil and coloring mixture into the tall glass with water and watch!

The food dye slowly sinks, with each droplet expanding outwards as it falls. It looks like fireworks!

What Do We Need?

- Water
- Oil
- Food coloring
- Tall clear glass or jar
- Small glass
- A fork and a spoon



YOUR MISSION REPORT

-Food coloring dissolves in water, but not in oil. So when you pour in your food dye and oil mixture to the water, the oil floats at the top of it because it is less dense. Then, the food coloring begins to dissolve once they sink through the oil. Maybe it doesn't actually look like fireworks, but it still looks pretty cool!



Did you know?
Oil is also called as "Texas Tea" and "Black Gold".



Country **Lithuania**

Grade **8th**

Student feedback - How did you like this mission?



not at all



not much



a bit



liked it



liked it a lot



liked it best

Family feedback - How did you like this mission?



not at all



not much



a bit



liked it



liked it a lot



liked it best

Did you use the 'Learn more!' resources?

Yes

No

What was good/bad about this mission?

This experiment was easy but still interesting, I learned new things.