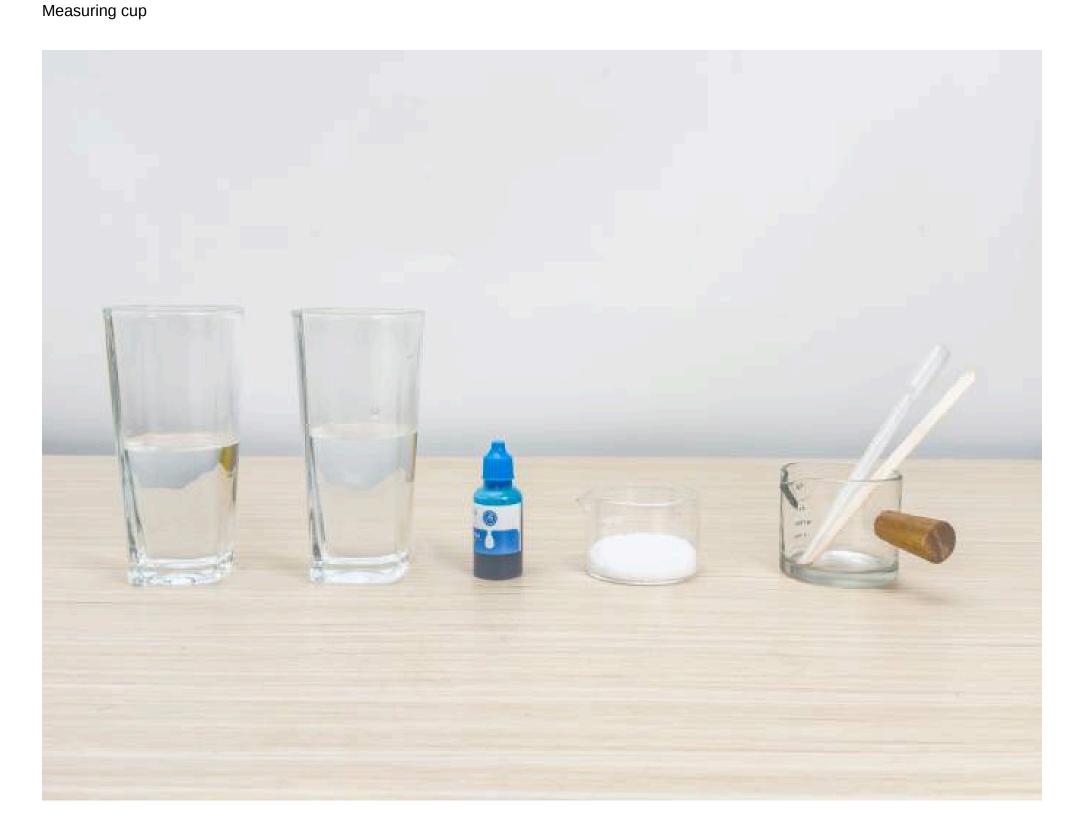


You may have dropped coins or leaves into water to observe whether they float or sink, but have you tried a liquid density experiment? While the principle is the same and relates to density, watching liquids float is even more magical and visually fascinating. Try this colourful density experiment at home!

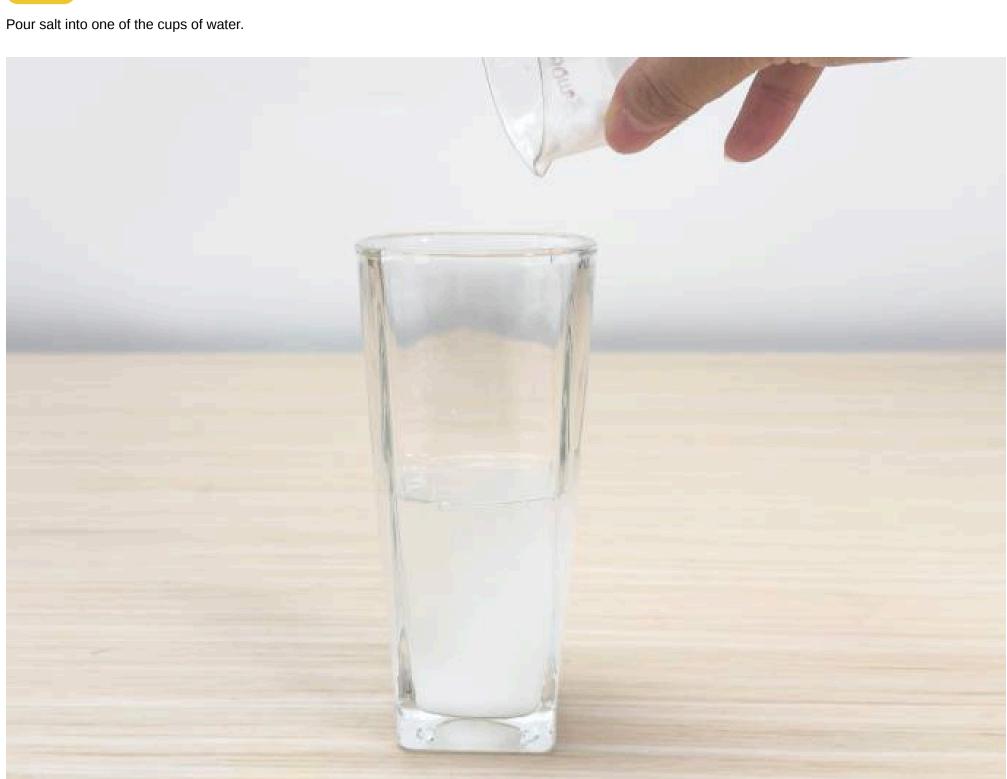
Materials Needed

2 cups of water Food colouring Salt Stirring rod Dropper



Step-by-step tutorial



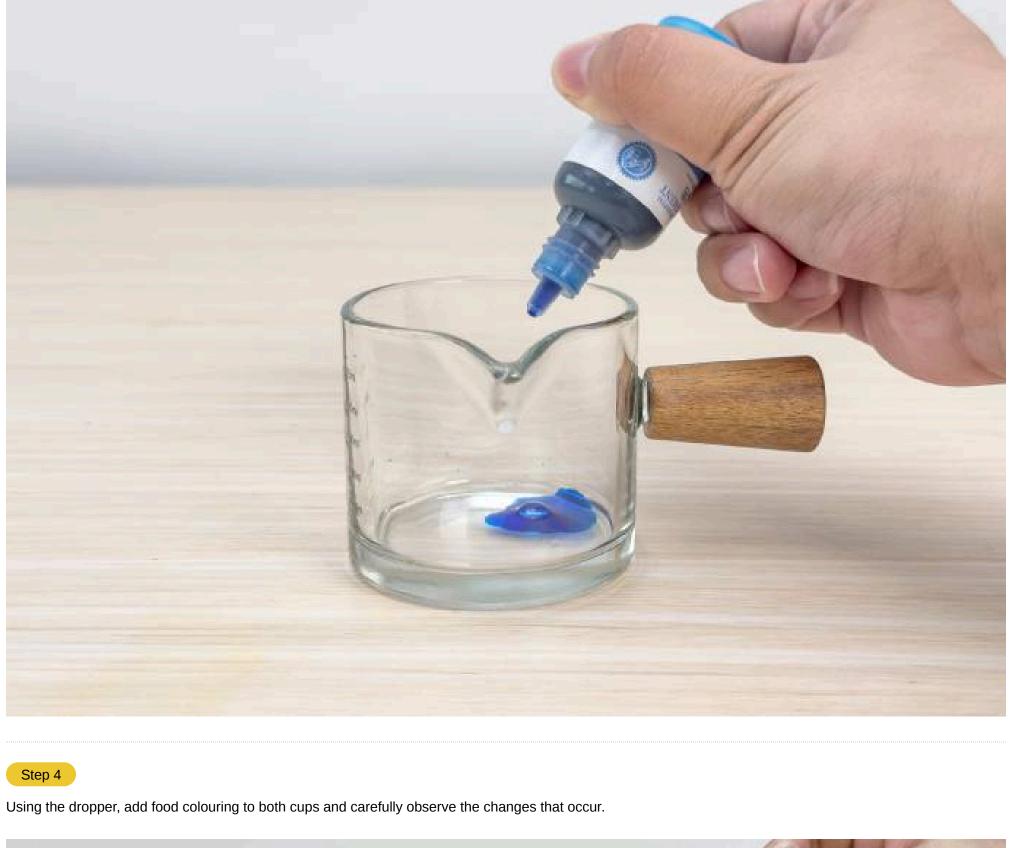


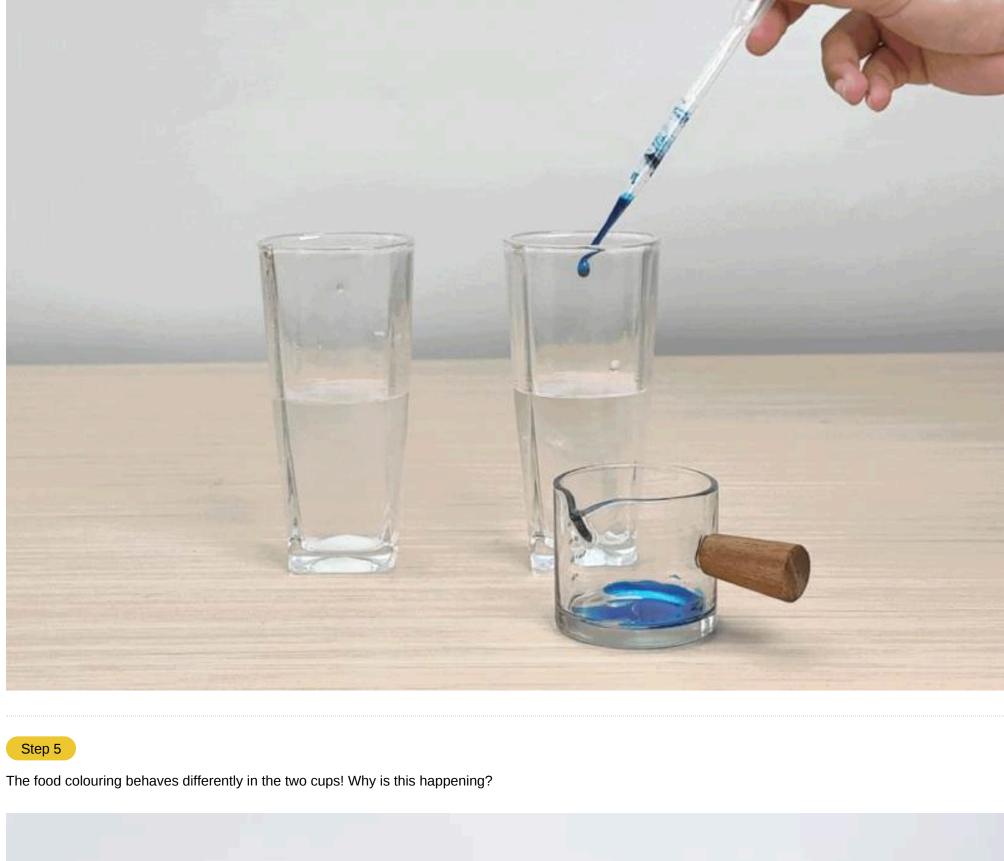
Step 2

Stir thoroughly with the stirring rod until no more salt dissolves.



Next, add food colouring to the measuring cup.







sinks in the cup of plain water.

The Science Behind It: Objects with higher density sink, while those with lower density float. Salt water has a higher density than food colouring, so the colouring floats on top of the salt water. However, since food colouring has a higher density than plain water, it slowly