

Fun with Science



Mixing Oil and Water



Things you will need:

- Clear container
- Oil
- Water

Instructions:

Pour some water into a bottle. Then pour in some oil and watch them separate. You can shake it up, make them mix and then watch them separate again.

You could also try adding other liquids like soap, milk or soda and see what happens.

The science behind it:

Similar to a magnet, water has a polar charge. This means that water molecules have a positive charge at one end and a negative charge at the other and so they stick to each other, just like magnets. Oil molecules do not have this. Because of this the oil molecules are only attracted to other oil molecules and the water molecules are only attracted to other water molecules.