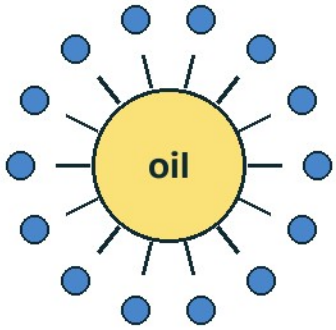
How Soap Cleans

Oil and water need a go-between



tails touch oil, heads face water

YOU NEED

- a clear jar with a lid
- water
- cooking oil
- one drop of dish soap

TRY IT

1. Fill the jar one third with water and add a spoon of oil.
2. Close the lid and shake. Watch the oil float back to the top.
3. Add one drop of dish soap, close the lid and shake again.
4. Look: the oil is now tiny droplets that stay mixed for longer.

WHAT IS HAPPENING

A soap molecule has a head that likes water and a tail that likes oil. The tails grab the oil and the heads face the water, so the oil is pulled away in tiny droplets that rinse off.

SAFETY FIRST

Keep soap out of your eyes and mouth. Do not drink the mixtures. Wash your hands afterward.

Never mix cleaning products, and never taste experiments.

creouts.com · © Creouts Publishing · Free for home and classroom use · Not for resale or redistribution