

# JELLY AND OIL

ENGINEERING  
CHALLENGE

15

Designed by Sophie,  
Design engineer at Dyson

## The brief

Try to move jelly cubes from one place to another using chopsticks.

## The method

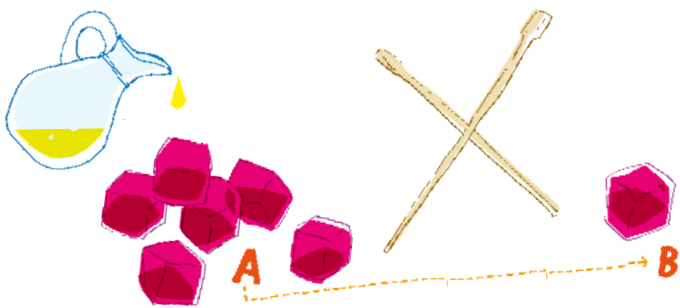
1. Try to move jelly cubes from one place to another using chopsticks.
2. Now cover the cubes in oil and try again.

## Materials

Jelly cubes

Chopsticks

Olive oil



## How does it work?

In order to grip an object, you need friction. When a lubricant like oil or water blocks the force of friction it becomes very difficult for two objects to make contact with each other.

## Did you know?

Oil is used in engines to allow moving parts to slide past one another with ease – avoiding wear and tear.

