

# BIOLOGY

## Included your pack:

- Pipette
- Wire loop
- Filter paper

## What you will need:

- Strawberry
- Fork
- Salt
- washing-up liquid
- teaspoon
- pineapple juice
- a tea-strainer or filter paper
- small clean glass
- 4 tablespoons of ice-cold alcohol

**Ahead of time:** Place the alcohol into the freezer to chill for about 30-60 mins

## Step-by-step instructions

1. Take a cup and place half a strawberry in it
2. Use a fork to mash up the strawberry until there are no large lumps left
3. Add a pinch of salt and a drop of washing-up liquid and mix together until a few bubbles appear
4. Leave for at least a minute. This gives time for the washing up liquid to do its magic
5. Pour about a teaspoon of pineapple juice into your mashed-up strawberry. Mix together gently
6. Leave for about a minute. This time, we need the pineapple juice do the hard work
7. Use a tea-strainer or some filter paper to filter the mashed-up strawberry into a small clean glass. Use the teaspoon to help the liquid through
8. Use a plastic pipette to suck up some ice-cold alcohol. Slowly dribble the alcohol down the side of the glass until there is an obvious layer sitting on top of the filtered strawberry
9. Wait about a minute, and you should see some white fluffy stuff rise to the top of the alcohol – THIS IS DNA! Try and hook some out using a plastic loop

**PARENTAL  
SUPERVISION  
REQUIRED**

