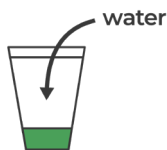


All living things contain DNA. Try extracting DNA from a fruit using the instructions below!



- 1 Pour 5 ml of washing up liquid into a cup.



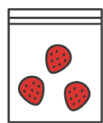
- 2 Add 50 ml water to the cup of washing up liquid.



- 3 Add half a shot glass (5 g) of salt.

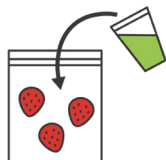


- 4 Using a spoon, gently mix everything together until all the salt has disappeared. Don't mix it too hard otherwise you'll get lots of bubbles in your mixture.



strawberries

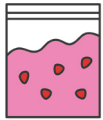
- 5 Put 3 strawberries with green leaves removed into a sealable plastic bag.



- 6 Pour the mixture into the sealable bag.



- 7 Carefully squeeze out the air from the bag, and seal it or tie a knot in the top.



- 8 Use your fingers to squash the strawberries for about 5 minutes until the fruit is mushed up like a smoothie drink. Don't squeeze too hard as the bag may burst!



- 9 Carefully open the bag and pour the contents through a sieve and into a jug.



- 10 Take the liquid from the jug and half fill a shot glass.



- 11 Take 10 ml of cold alcohol and slowly pour down the side of the glass. Leave for around 30 seconds, a clear layer should form at the top.



- 12 Look between the clear and fruit layer. Can you see white clouds or flakes? This is the DNA.



- 13 Use a cocktail stick to hook the DNA out of the cup. Well done! You have successfully extracted DNA from a strawberry.