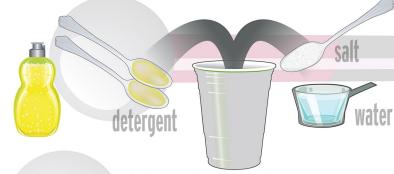


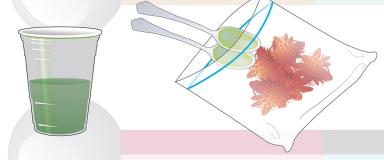


work on each.

Put the strawberries into the plastic bag, seal it and gently smash it for about two minutes. Completely crush the strawberries. This starts to break open the cells and release the DNA.



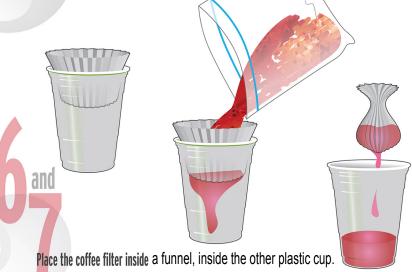
In a plastic cup, make your DNA extraction liquid: mix together 2 teaspoons of detergent, 1 teaspoon of salt and 1/2 cup of water. The detergent breaks up the oily membranes surrounding the cell. The salt helps knock off proteins binding to the DNA.



Add 2 teaspoons of the DNA extraction liquid into the bag with the strawberries. This will further break open the cells.



Reseal the bag and gently smash for another minute (avoid making too many soap bubbles).



Open the bag and pour the strawberry liquid into the filter. You can twist the filter just above the liquid and gently squeeze the remaining liquid into the cup.



Next, pour down the side of the cup an equal amount of cold rubbing alcohol as there is strawberry liquid. Do not mix or stir. You have just isolated the DNA from the rest of the material contained in the cells of the strawberry.

The alcohol makes the water molecules not want to interact with the DNA. The DNA precipitates, or comes out of solution.



strawberry extract layer.





