


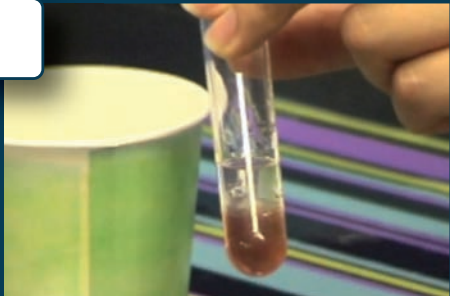
Instructions

Some of the steps from the DNA isolation activity are pictured. The first and last steps are already numbered and the challenge is to fill in the rest of the numbers in the top left-hand box to create the right sequence of steps. Read the captions to help guide you in the right direction.


1



Choose the fruit, put in blender and blend to achieve "pumpkin soup-like" consistency. Add water if necessary; don't overblend.



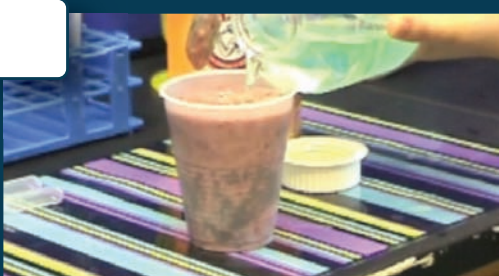
Add ½ teaspoon (2 milliliters) of mixture to small transparent glass or plastic tube and then add one teaspoon (4 milliliters) of 95% ethanol gently down the side on top of the mixture.



Add blended fruit to plastic cup and add 1 teaspoon baking soda – it will fizz.




Put single layer coffee filter in strainer; filter mixture into glass.



Stir few minutes until fizzing stops. Add equal volume extraction mixture and stir.

6



DNA will appear at the interface. Use a paperclip to pull the gummy mass of DNA out of the solution!