

A Strawberry's DNA

1. Mash the strawberries in the plastic bag for several minutes.
2. Add two tablespoons of dish soap. This will break open the cells, a process called "lysing."
3. Add a tiny splash of pineapple juice. This will break down some of the proteins that have spilled out of your cells alongside your DNA.
4. Add a pinch of salt. This causes the DNA to start clumping together.
5. Mash the bag gently to mix together but avoiding soap bubbles.
6. Place coffee filter over cup, and pour the bag into the filter. Squeeze the filter so the liquid mixture goes into the cup.
7. Pouring down the side, add cold rubbing alcohol (as much alcohol as this is strawberry mixture). This will cause the DNA to come out of the liquid, called precipitation.
8. Use a toothpick to spool up the cloudy, snot-like material that has formed in the cup. This is strawberry DNA!