

Table-top science: extracting DNA from strawberries (synbio experiment for kids)

Protocol:

- Remove the green stems from the strawberries and add to the bag. Squish the strawberries into a pulp.
- Add 1 tablespoon of dish soap, a teaspoon of salt, and 1/3 of a cup of water to the bag.
- Mix.
- Line the test tube with the coffee filter.
- Pour the strawberry liquid into the test tube. Wait for the liquid to filter into the test tube
- Add an inch layer of cold alcohol to the test tube.
- Once the alcohol is added to the pulp, it encourages the DNA strands to rise to the top and bind together, where you can see them together in one long, clear strand.
- **Supplies needed for this table-top science:** coffee filter, pipette, test tube, strawberries, dish soap, salt, plastic zip-lock bags and rubbing alcohol

Youtube video that runs through strawberry DNA extraction process:

<https://www.youtube.com/watch?v=67KXatgoNKs>

