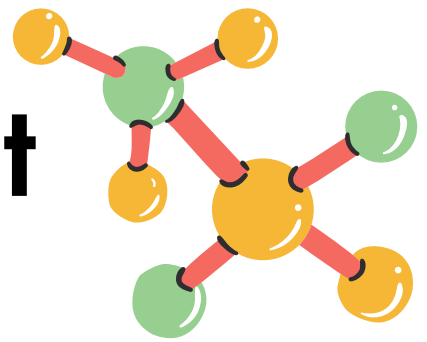


Science Experiment

Extracting DNA from a Strawberry



In this experiment, you will extract the DNA from strawberries using simple household ingredients. Get ready, Scientists!

DNA is the instructions to make you! If your body was a house, your DNA would be the blue prints. Every living thing has DNA, from Humans like you, to plants like trees to plant foods like strawberries. You've probably learned or heard about DNA before, but have you ever seen it?

With the Strawberry DNA experiment, you'll extract, isolate, and observe the DNA of a strawberry in a matter of minutes. It sounds impossible, but it really is quite easy to do. You don't have to be a geneticist and you don't need an electron microscope. It's easy, fun, and all you need are some very common household materials.

You Will Need...

- Coffee filters
- Pipette
- Test tube
- Strawberries
- Dish Soap
- Salt
- Plastic Zipper Bags
- Rubbing Alcohol



Step one

- Chill the alcohol in the freezer.
- Remove the green stems from the strawberries and add to the bag. Squish the strawberries into pulp.
- Add 1 tablespoon of dish soap, a teaspoon of salt, and 1/3 of a cup of water to the bag. Mix.



Step Two

- 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.



Step 3

Add an inch of cold alcohol to the test tube



Step 4

Watch as a clear viscous material rises to the top of the alcohol. This is the strawberry DNA!

You can see up close and really look at a strawberry's DNA- How cool is that! Grab a magnifying glass and check it out.



DNA!

Strawberries are perfect for isolating, extracting, and observing DNA making it super cool science activity the kids won't forget about!

