

# Steps for the DNA Extraction Lab



1. In baggie add:

- 1 mL NaCl (green spoon)
- 2 mL meat tenderizer (Green Spoon)
- 1 mL Palmolive detergent (green spoon)
- 9mL distilled H<sub>2</sub>O (Graduated cylinder)
- 1/2 thumb-sized piece of strawberry

**\*To avoid mess, add dry ingredients first, then the wet ones 😊**

2. Tightly close baggie and pulverize! (gently)



What are the ingredients doing to the strawberry?

- Detergent?

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- Meat tenderizer?

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- Salt?

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3. Cut corner of the baggie to easily dispense the contents into a test tube.
4. While **TILTING** the test tube with strawberry mixture, carefully pour 2 – 3 pipettes of ethyl alcohol into fruit mixture, letting the alcohol run slowly on the inside of the test tube.
5. Put test tube in the test tube holder and watch for the DNA to come out of the strawberry mixture. It will look like wet cotton.



Why do we need to add the ethyl alcohol?

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6. Use the pipette to collect your DNA and put into a microcentrifuge container. Make sure to put a little alcohol into the container to keep your DNA from drying out.
7. With the help of a partner, get a necklace cord and thread it inside the container so you can **WEAR** your DNA 😊 home.



**Caution!**

Alcohol is very flammable! Please do not expose to a flame.