

# Strawberry DNA Extraction Lab

by C. Kohn, WIMS and Stacy Fritz, NMAE



Name: Mariyam Ali

Hour: \_\_\_\_\_

Date: Monday May 15th

Date Assignment is due: May 12th

Day of Week, Date

Why late? Forgot about submitting.

If your project was late, describe why

Score: \_\_\_\_\_/10

## Materials

measuring cup

1/2 teaspoon salt

detergent cheesecloth

3 strawberries (green tops removed)

measuring spoons

1/3 cup water

Re-closable plastic sandwich bags

cup

ice-cold rubbing alcohol

1 tbsp Dawn dishwashing

test tube (or small glass jar)

bamboo kabob skewer or Q-tip



## Directions:

Mix the salt, water, and Dawn detergent in a glass or small bowl. Set the mixture aside.

This is your extraction liquid.

Line the funnel with the cheesecloth, and put the funnel's tube into the glass.

- Put the strawberries in the plastic bag and push out all the extra air. Seal it tightly.
- With your fingers, squeeze and smash the strawberry mixture for 2 minutes.
- Add 3 tablespoons of the extraction liquid you made in Step 2 to the strawberries in the bag. Push out all the extra air and reseal the bag.
- Squeeze the strawberry mixture with your fingers for 1 minute.
- Put cheesecloth over the funnel and place the funnel in your test tube. Pour the strawberry mixture from the bag into the funnel. Let it drip into the test tube until there is no liquid left in the funnel.
- Throw away the cheesecloth and the strawberry pulp inside. Pour out the contents of the test tube so it is 1/4 full.
- Tilt the test tube or jar and **very slowly** pour the cold rubbing alcohol down the side. The alcohol should form a layer on top of the strawberry liquid. (Don't let the alcohol



# Dna Extraction Lab Answers

**Lei Shi**



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