

# Strawberry DNA Extraction Lab

by C. Kohn, WIMS and Stacy Fritz, NAAE



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

measuring spoons

ice-cold rubbing alcohol

1/2 teaspoon salt

1/3 cup water

1 tbsp Dawn dishwashing

detergent cheesecloth

Re-closable plastic sandwich bags

test tube (or small glass jar)

3 strawberries (green tops removed)

cup

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

**A Gutmann**



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## **Table of Contents Dna Extraction Lab Answers**

1. Understanding the eBook Dna Extraction Lab Answers
  - The Rise of Digital Reading Dna Extraction Lab Answers
  - Advantages of eBooks Over Traditional Books
2. Identifying Dna Extraction Lab Answers
  - Exploring Different Genres
  - Considering Fiction vs. Non-Fiction
  - Determining Your Reading Goals
3. Choosing the Right eBook Platform
  - Popular eBook Platforms
  - Features to Look for in an Dna Extraction Lab Answers
  - User-Friendly Interface
4. Exploring eBook Recommendations from Dna Extraction Lab Answers
  - Personalized Recommendations
  - Dna Extraction Lab Answers User Reviews and Ratings
  - Dna Extraction Lab Answers and Bestseller Lists
5. Accessing Dna Extraction Lab Answers Free and Paid eBooks
  - Dna Extraction Lab Answers Public Domain eBooks

- Dna Extraction Lab Answers eBook Subscription Services
- Dna Extraction Lab Answers Budget-Friendly Options
- 6. Navigating Dna Extraction Lab Answers eBook Formats
  - ePub, PDF, MOBI, and More
  - Dna Extraction Lab Answers Compatibility with Devices
  - Dna Extraction Lab Answers Enhanced eBook Features
- 7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Dna Extraction Lab Answers
  - Highlighting and Note-Taking Dna Extraction Lab Answers
  - Interactive Elements Dna Extraction Lab Answers
- 8. Staying Engaged with Dna Extraction Lab Answers
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Dna Extraction Lab Answers
- 9. Balancing eBooks and Physical Books Dna Extraction Lab Answers
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection Dna Extraction Lab Answers
- 10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
- 11. Cultivating a Reading Routine Dna Extraction Lab Answers
  - Setting Reading Goals Dna Extraction Lab Answers
  - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Dna Extraction Lab Answers
  - Fact-Checking eBook Content of Dna Extraction Lab Answers
  - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
  - Utilizing eBooks for Skill Development
  - Exploring Educational eBooks

#### 14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

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