

## *Strawberry Extraction Lab Answers*

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### **Strawberry Extraction Lab Answers**

Answer Key for Strawberry DNA Lab Part I: Questions 1. What was the purpose of mashing up the strawberry? To break down the cell wall, cellular and nuclear membranes. 2. What does the extraction buffer do? (Hint: Extraction buffer contains soap. What does soap do when you wash your hands?)

### **Answer Key for Strawberry DNA Lab - Prince Edward Island**

Place strawberry in zip lock baggie (remove cap/ green part) 2. Smash strawberry with fist for 2 minutes 3. add 10 ml extraction buffer to the bag and re-zip the bag 4. mush up with your fingers for one minute 5. filter through cheesecloth screening lining a funnel into beaker. 6. pour filtrate into test tube so that it is 1/8 full. 7.

### **Strawberry DNA Extraction Lab (Pre-Lab ... - Yahoo Answers**

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### **science strawberry dna extraction Flashcards and ... - Quizlet**

See lab handout "Strawberry DNA Extraction" Questions: 1. Have students complete the "Student Response" worksheet. 2. Answer any questions from the list made at the beginning of class.

Closure: 1. Ask students what they learned about DNA and strawberries. 2. Ask students where DNA is found.

### **Strawberries & DNA - Educational Resources**

Answer the analysis questions. ... STRAWBERRY DNA EXTRACTION LAB - "You will never be able to eat a strawberry again without thinking of how much DNA is in it ... STRAWBERRY DNA EXTRACTION LAB - "You will never be able to eat a strawberry again without thinking of how much DNA is in it ...

### **STRAWBERRY DNA EXTRACTION LAB - "You will never be able to ...**

DNA Extraction has many uses, including: Step 3) Cut the DNA into fragments using a restriction enzyme. DNA Fingerprinting The second obstacle is that DNA is usually tangled up into proteins that will prevent extraction The cell membrane is made of lipid. Lipids link together

### **DNA Extraction Pre-Lab w/ answers by William Masse on Prezi**

I quickly review the modifications we have made to the lab instructions, and I remind the students to complete the Strawberry DNA Extraction Questions once they have finished with the lab. These videos represent the students' favorite part of the lab and are two steps that I generally warn them about.

### **Strawberry DNA Extraction Questions - BetterLesson**

Strawberry DNA Extraction This DNA extraction activity has been designed for a class of 32 students working in pairs. For smaller classes, students may work independently. For larger classes, students can work as groups and be assigned different roles, such as Strawberry Masher, Solution Handler, DNA Spooler, etc. DNA is the "Code of Life"

### **Strawberry DNA Extraction TM - UF CPET**

Strawberry DNA Extraction Adapted from a lab by C. Sheldon Introduction: DNA is found in cells from Animals and Plants. DNA is a double stranded macromolecule composed of nucleotide bases pairing Adenine with Thymine and Guanine with Cytosine. DNA can be extracted from cells by a simple technique with household chemicals, enabling students to ...

### **Strawberry DNA - BIOLOGY JUNCTION**

In this lab, you extract and isolate DNA from strawberries using simple, household ingredients. Use your hands and fingers to mash, smash, and moosh the strawberry inside of the bag. You don't want any large pieces remaining. Pour the resulting strawberry pulp and extraction mixture through a ...

### **Strawberry DNA - Food Science - The Lab**

Scientific American is the essential guide to the most awe-inspiring advances in science and technology, explaining how they change our understanding of the world and shape our lives.

### **Squishy Science: Extract DNA from Smashed Strawberries ...**

Strawberry DNA Extraction Lesson Plan This lesson plan is for the extraction of DNA from strawberries. Strawberries are an exceptional fruit to use for this lesson because each individual student is able to complete the process by themselves and strawberries yield more DNA than any other fruit (i.e. banana, kiwi, etc.).

### **Strawberry DNA Extraction Lesson Plan Primary Learning ...**

Strawberry DNA Extraction Lab Report. Leave a reply. ... Figure 1 illustrates the whole strawberry and extraction buffer in a sealed plastic bag. The detergent degrades the phospholipid bilayer of the cell and nuclear membranes after the strawberry is crushed. Fig. 2.

### **Strawberry DNA Extraction Lab Report | william0912**

2. Wash the strawberry, remove the sepals (the green leaves) and put it into a zip lock plastic bag. Add 10mL of the extraction buffer and seal the bag tightly, making sure any air bubbles are pushed out and crush the strawberries with your fingers on the bench surface for 1 minute.

### **DNA extraction from strawberries - Murdoch University**

So in bio we had to extract the DNA from a strawberry. We put ethanol and strawberry shampoo into a bag with mashed strawberries and then poured the solution into a cylinder and when you put a stick into it you got the DNA out. I paid attention during the lab, but I'm unsure how the ethanol & shampoo was able to do this. Could somebody explain it to me?

### **Strawberry DNA Extraction Lab? | Yahoo Answers**

Yes, the DNA from both cell types will look just the same. The structure of DNA is consistent among all living things. It is a double helix shaped molecule (comprised of a sugar-phosphate backbone and paired nitrogenous bases) that condenses into chromosomes for packaging into cells.

### **Strawberry DNA Extraction Review Flashcards | Quizlet**

dna extraction strawberry lab student answer key.pdf FREE PDF DOWNLOAD Strawberry DNA lab report - Upload, Share, and ... Strawberry DNA Extraction Adapted from a lab by C. Sheldon. Introduction: DNA is found in cells from Animals and Plants. DNA is a double stranded macromolecule ...

### **dna extraction strawberry lab student answer key - Bing**

The ease of extraction and clear visibility of strawberry DNA makes the strawberry DNA extraction lab popular in Biology courses. The lab involves using common household items, such as detergent, rubbing alcohol and salt, to remove the DNA from the nucleus of strawberry cells.

### **What Is the Strawberry DNA Extraction Lab? | Reference.com**

It can be concluded that from my experiment and the research that DNA from different foods does vary and in appearance as well. The DNA was extracted due to the dishwashing liquid/detergent busts open the cells of the fruit, releasing the DNA and the salt helps as it ensures that the proteins in the cells are not separated from the rest of the solution with the DNA.

### **Analysis & Conclusion/Discussion - Jessica's RESEARCH PROJECT**

Strawberry DNA Extraction Lab Worksheet - There are several types of math worksheets for kids readily available online. The worksheet could be applied as the foundation for class discussions, it can be used for student presentations, or it can be put to use as a test.

## Strawberry Extraction Lab Answers

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