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Wheat Germ Dna  
Experiment  
Answers

# Wheat Germ Dna Experiment Answers

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**wheat germ dna**

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## **experiment answers**

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## **Wheat Germ Dna Experiment Answers**

Question: Wheat Germ  
DNA Extraction

Introduction: A DNA  
Extraction And  
Isolation Activity Using  
Common Household  
Chemicals. With Dish  
Soap, Meat Soda, And  
Alcohol, Students Will  
Isolate DNA From Raw  
Wheat Germ. Materials

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Needed: Raw  
(untoasted) Wheat  
Germ. 2g (packer)  
Liquid Detergent, 3ml  
Meat Tenderizer, 2g  
(packet) Alcohol, 95%  
Ethyl Or Isopropyl),  
20mL Sodium ...

## **Solved: Wheat Germ DNA Extraction Introduction: A DNA Extr ...**

So, our class did a DNA  
extraction of a wheat  
germ. From this lab I  
learned that putting

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warm water in to the wheat germ allows the fats in the membrane that surround the cells and the nucleus, to soften. The warm water will also denature enzymes that may damage the DNA. The warmth will also enhance the action of the liquid soap when it is added.

**DNA Extraction of a  
Wheat Germ. |  
Wyzant Ask An**

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## Wheat Germ Dna Experiment

### **Expert**

52010 Wheat Germ  
DNA Lab 14-2 7. Place  
about a BB size bit of  
the DNA in a micro  
centrifuge tube with  
about 0.5mL 95%  
ethanol. 8. Label and  
store in freezer if  
future experiments are  
planned. Discussion:  
Wheat germ is the  
embryo (sprouting)  
section of the wheat  
kernel; the remainder  
being the endosperm  
(storage).

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**WHEAT GERM DNA  
EXTRACTION -  
yc.edu**

Wheat Germ Dna  
Experiment Answers  
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x.it-2020-11-02T00:00:  
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Keywords: wheat,  
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*Page 8/27*



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Wheat Germ Dna

Experiment

### **Experiment Answers**

This allows more DNA to come in contact with the alcohol and precipitate. You may find it helpful to pour the water/detergent solution into a clean test tube, leaving behind the wheat germ, before adding the alcohol. 7. Use a glass or paper clip hook or wooden stick to collect the DNA.

OBSERVATIONS 1.

What does the "wheat

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germ soup" look like?

## **Biology!: DNA Extraction from Wheat Germ**

· Use research to answer DNA questions on activity handout  
Honors biology: Use your own method to extract DNA. Go to this link and record your lab. Directions ... Place 1 gram or 1 teaspoon of raw wheat germ in a 50 ml test tube, beaker or jar, 2. Add 20 ml or

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### Experiment

1 tablespoon of hot (50-60 °C) tap water and mix constantly for 3 minutes.

### **DNA Extraction from Wheat Germ - dvbiology.org**

This science video tutorial includes step-by-step instructions for extracting DNA from wheat germ, the embryonic plant attached to the wheat seed. Individual wheat seeds, or kernels,

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separate readily from the plant. This kernels have a tough outer coating called bran. If you want to know more, just watch this science experiment.

## **How to Extract DNA from wheat germ « Science Experiments**

...

Lab: Wheat Germ DNA Extraction HONORS BIOLOGY: UNIT 4 BACKGROUND: Wheat germ is the embryo

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## Wheat Germ Dna Experiment

(sprouting) section of the wheat kernel; the remainder being the endosperm (storage). The germ is extremely rich in vitamins and nutrients, and for the purposes of this experiment, an excellent source of DNA. The

### **Lab: Wheat Germ DNA Extraction - SC TRITON Science**

What did you learn in this experiment?

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Answers will vary, but hopefully will involve something about the scientific process.

Name: ANSWER KEY

Per.: \_\_\_\_\_ Wheat germ is the source of DNA in this lab. Warm water softens the membranes. Enzymes denatures at 60o degrees C. DNA denatures at 80o degrees C

**DNA Extraction Lab -  
mrl.ucsb.edu**

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dna extraction from  
wheat germ dvbiology  
org, wheat germ dna  
agclassroom org, ...  
dna structure and  
function biology i  
laboratory manual, dna  
extraction lab question  
yahoo answers, the  
condition of wheat  
germ on the quality of  
dna extracted, ...

Design And Analysis Of  
Experiments

Montgomery. 1991

Jeep Fuel Injection

Wiring Diagrams.

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## **Wheat germ dna extraction lab answers**

Wheat germ is the embryo section of the wheat kernel; the germ is extremely rich in vitamins and nutrients, and an excellent source of DNA. The purpose of this lab is to extract DNA from wheat germ. You will be using several different substances to release the DNA.



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## **Wheat Germ DNA Extraction Lab - SC TRITON Science**

Germ is actually short for germination.

Referring to the way plants reproduce. The germ is the zygote of the plant. It's where all the DNA instructions is held in the plant.

## **Why is wheat germ used to extract DNA? - Answers**

Avery observed as you

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## Wheat Germ Dna

### Experiment

extract DNA from wheat germ. This procedure is a simplified version of the one scientists commonly use to extract DNA today.

**PROBLEM** How do you extract the DNA from plant cells?

**PROCEDURE** 1. Place a small amount of wheat germ in a test tube. The wheat germ should be about 1 cm high in the test tube. 2.

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### **8.1 Identifying DNA as the Genetic Material**

8. Hold the beaker of wheat germ at a 45-degree angle, and very slowly pour the alcohol down the side of the beaker. If poured correctly, the alcohol will form a layer on top of the wheat germ and detergent mixture. Do not mix the layers together. The DNA will precipitate at the boundary between the

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alcohol and the water.

## **Biology Lab: Simple DNA Extraction**

Group of answer  
choices. To break apart  
cell membranes. to  
break apart the DNA.

to clean the DNA. 3-

What will you be  
isolating DNA from?

Group of answer  
choices. banana. wheat  
germ. liver. 4- In the  
DNA extraction what is  
the purpose of the  
alcohol? Group of

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answer choices. to  
seperate the DNA  
molecules from the  
rest of the materials in  
the tube

## **Solved: 2- In The DNA Extraction, What Is The Function Of ...**

Wheat Cells Nucleus  
DNA 1. Take one tube  
containing 1 gram of  
wheat germ. 2. Pour  
water into the tube up  
to the 20 mL mark on  
the tube. 3. Shake the

# Read Online Wheat Germ Dna Experiment

tube for 3 minutes.  
Then add 1 small soap  
tube into the wheat  
germ tube. 4. Gently  
rock the tube for 3  
minutes. Try not to  
make any bubbles. 5.  
With the tube at an  
angle, gently pour  
alcohol in the ...

## **Wheat Germ Wheat Cell Nucleus - UWBC Home**

We did a lab where we  
extracted DNA from a  
germ wheat cell. Here

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## Wheat Germ Dna

### Experiment

is what we did: first we heated a beaker of water to around 60 degrees Celsius we added 15 ml of the water into a beaker. we also added meat tenderizer and about 1 gram of germ wheat (which is the germ wheat cell before it is processed into flour). Then we mixed the solution for around 3 minutes.

**Please answer this**

Read Online  
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**question regarding  
DNA, isopropyl and**

...

Extract a strand of DNA  
from Wheat Germ

**Wheat Germ DNA  
Extraction  
Experiment -  
YouTube**

Wheat germ is the DNA  
source in this protocol.  
Wheat germ comes  
from wheat seeds. The  
"germ" is the embryo,  
which is the part of the  
seed that can grow into



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a new wheat plant.

When wheat seeds are milled into white flour, the wheat germ and wheat bran are removed, leaving only starch. Materials: Raw wheat germ-1g or 1 tsp. (toasted wheat germ ...

### **DNA Extraction from Wheat Germ**

DNA Extraction C - 21  
Chemistry in the K-8  
Classroom Grades 4-8  
2007, OMSI

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## Wheat Germ Dna

### Experiment

Or—papaya or pineapple juice: Use 1 cup of fresh, frozen (diluted as directed), or canned juice. Make sure juice contains raw, uncooked fruit juice.

Notes and Hints Keep the isopropyl alcohol very cold—use the freezer or ice bucket. Give to students as close to the start of the activity as possible.

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