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YYYC0Z - DARIO BRADSHAW

Dependent Variable: The dependent variable is the estimate of how long each phase of mitosis takes. **Independent Variable:** The independent variable is the number of cells per phase in the four fields of view. **Confounding Variable:** The confounding variables were the microscope and slides. **Replication/Sample Size:**

In this experiment, the onion root was the independent variable and the phase of mitosis was the dependent variable. We chose to change the independent variable in this way because onion root grows and express mitosis. **DATA.** Data table: My tally Class Total Percentage of total (class) *The Effects of Caffeine of Mitosis Rates Mitosis in Onion Root Tip Cell - Weebly what's the controlled, dependent, and independent ...*

The two variables for the activity are Phase and Treatment. Each row in the dataset is an individual cell observed with a microscope. Phase corresponds to whether the onion cells were observed to be in "Interphase" or "Mitosis" and Treatment corresponds to whether the onion root tips exposed to lectin ("Lectin") or not ("Control").

Title: Onion Root Tip Under Microscope. **Objective(s):** Observe all stages of mitosis and the cell cycle. **Hypothesis:** The interphase stage will be more likely to be spotted than the other stages because it is the longest stage. **Variables:** Independent: different slices of onion root tip. Dependent: stage of mitosis. Controlled: microscope and onion root. **Data:**

Claim 1: Lectin is no more effective than what is seen in normal onion root tip cells. **Claim 2:** Lectin increases the number of cells undergoing mitosis in onion root tip cells. **Claim 3:** Lectin decreases the number of cells undergoing mitosis in onion root tip cells.

3.01 Virtual cell division lab report Title: Cell division **Objective:** To be able to analyze and perceive mitosis and the cell cycle **Hypothesis:** I believe that the amount of time it takes to finish each phase will lower after each Phase takes place. I also believe interphase will be the longest

phase Variables: Onion root tip Data: part 1 part 2 Interphase 34 49 Prophase 8 13 Metaphase 3 4 ...

This lab was an experiment designed to analyze how many cells could be observed in each part of mitosis for different areas of an onion root. First, with a prepared slide, area X and Y were located and each counted and recorded of what stages were observed. Then, another onion root tip was prepared and area Z was located.

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Onion Root Tips Mitosis | Mandi & Biology San Pedro High School

Variables: Independent: slices of onion root tip **Dependent:** stages of mitosis **Controlled:** microscope and onion root **Data:** Record the number of cells you observed in each part of the lab activity. Number of Cells in Part 1 Number of Cells in Part 2 Interphase 34 49 Prophase 8 13 Metaphase 3 4

3.01 Cell Cycle and Mitosis christine.pdf - 03.01 Virtual ...

- Independent variable: the liquid that the onions are submerged in
- Dependent variable: the onion root length & the rate of mitosis
- Control: the onions that are submerged in the water
- Constants: the type of onion & the amount of onions for each liquid

Mitosis Argumentation Lab.docx

Why use onion roots for viewing mitosis? • The roots are easy to grow in large numbers. • The cells at the tip of the roots are actively dividing, and thus many cells will be in stages of mitosis. • The tips can be prepared in a way that allows them to be flattened on microscopes slide ("squashed") so that the *Untitled document (2).docx - Name Mitosis in an Onion Root ...*

Onion Root Tip Mitosis Observations - YouTube

Mitosis in Onion Root tip Experiment Onion Root Tip Mitosis Observations Lab 9 Mitosis - 9.2 Onion root slide

Onion root mitosis **Cell Cycle and Mitosis Lab instruction**

Biology Lab || Mitosis

Study Mitosis in Onion Root Tip - MeitY OLabs *Observation of Mitosis in Onion Root tip Experiment | Practical, Procedure* **Onion Root Tip Mitosis Lab Onion Root Tip Mitosis Onion Root Tip Histological Mitosis AP Biology Lab 3: Mitosis and Meiosis Mitosis Rap: Mr. W's Cell Division Song How to get 100 onions from 1 onion Root tip squash Real Microscopic Mitosis (MRC) See a Salamander Grow From a Single Cell in this Incredible Time-lapse | Short Film Showcase Mitotic Index Root Tip Squash mitosis 3d animation | Phases of mitosis | cell division**

Mitosis in onion root tip class 12 DNA Extraction from Onion MEIOSIS—MADE SUPER EASY—ANIMATION BIOL101—Mitosis \u0026 Meiosis Lab: Mitosis Slide Tour

Mitosis slide preparation from onion root tip cells. *Mitosis in Onion Root Tip - Amrita University Onion root tip mitosis experiment 2.0*

●■ Mitosis in onion root tips ■● **Onion Root Tip Mitosis | Mitosis in Plant Cells | Onion Root Tip Mitosis Experiment | Cell Division Mitosis in Onion root tips (english) # Botany Practical Meiosis in onion flowerbuds experiment Onion Root Mitosis Lab Variables**

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or not ("Control").

Mitosis in Onion Root Tips — DataClassroom

Name: Mitosis in an Onion Root

Introduction: Mitosis can be observed in cells that are in a state of growth. In this lab, you will observe cells and identify which stage of cell division the cells are in. To help you do this, let's review what characteristics to look for at the different stages. Also remember, interphase is not technically a part of Mitosis, but it is part of the cell cycle ...

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Why use onion roots for viewing mitosis? • The roots are easy to grow in large numbers. • The cells at the tip of the roots are actively dividing, and thus many cells will be in stages of mitosis. • The tips can be prepared in a way that allows them to be flattened on microscopes slide ("squashed") so that the

LAB EXPERIMENT 4: Mitosis in Onion Root Tip Cells

This lab was an experiment designed to analyze how many cells could be observed in each part of mitosis for different areas of an onion root. First, with a prepared slide, area X and Y were located and each counted and recorded of what stages were observed. Then, another onion root tip was prepared and area Z was located.

Onion Root Tip Lab Report - Portfolio of Hannah Scott

Introduction Every somatic cell undergoes a phase called mitosis. Mitosis is the division of the nucleus to form two genetically identical nuclei. There are four phases of mitosis: prophase, metaphase, anaphase and telophase. Prior to mitosis is interphase (when the cell grows and duplicates all organelles), and post-mitosis is cytokinesis (when the cell membrane pinches...

Onion Root Cell Cycle Lab Answers | SchoolWorkHelper

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Claim 1: Lectin is no more effective than what is seen in normal onion root tip cells. Claim 2: Lectin increases the number of cells undergoing mitosis in onion root tip cells. Claim 3: Lectin decreases the number of cells undergoing mitosis in onion root tip cells.

Mitosis Argumentation Lab.docx

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AP BIO BLOG : Mitosis Lab Write-Up 2/20/15

1. The controlled variables are all the things you did exactly the same. If you used the same stain on each slide, if you used the same onion, ... 2. The dependent variable is whatever you counted,...

what's the controlled, dependent, and independent ...

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Mitosis in Onion Root Tip Cell - Weebly
Part 1 Interphase Prophase Metaphase Anaphase Telophase Total Number of cells
20 10 3 2 1 36 Percent of cells 55.6% 27.8% 8.3% 5.6% 2.8% 100%
1. What percent of cells were in interphase? Most of the cells that I identified were in interphase. 20 of 36 were in interphase and 55.6% of them were...

Onion Root Tips Mitosis | Mandi & Biology

Variables: Independent: slices of onion root tip Dependent: stages of mitosis Controlled: microscope and onion root Data: Record the number of cells you observed in each part of the lab activity. Number of Cells in Part 1 Number of Cells in Part 2 Interphase 34 49 Prophase 8 13 Metaphase 3 4

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03.01 Virtual ...

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Onion Root Tip Mitosis Observations - YouTube

Title: Onion Root Tip Under Microscope. Objective(s): Observe all stages of mitosis and the cell cycle. Hypothesis: The interphase stage will be more likely to be spotted than the other stages because it is the longest stage. Variables: Independent: different slices of onion root tip. Dependent: stage of mitosis. Controlled: microscope and onion root. Data:

Sample assignment on Onion Root Tip Under Microscope

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The Effects of Caffeine of Mitosis Rates

that contains cells that grow rapidly, which is why the roots of any plant are ideal study subjects for investigating the process of mitosis. The plant of choice when studying mitosis is the common onion. Onions germinate easily without soil so the chemicals provided to the plant can be easily controlled. Onion root tips also grow quickly and are only a few cells thick.1 Many mitosis labs involve creating a root tip squash, but in this investigation we will determine as a class how we will ...

San Pedro High School

3.01 Virtual cell division lab report Title: Cell division Objective: To be able to analyze and perceive mitosis and the cell cycle Hypothesis: I believe that the amount of time it takes to finish each phase will lower after each Phase takes place. I also believe interphase will be the longest phase Variables: Onion root tip Data: part 1 part 2 Interphase 34 49 Prophase 8 13 Metaphase 3 4 ...

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Sample assignment on Onion Root Tip Under Microscope

Mitosis in Onion Root Tips — DataClass-room

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Histological Mitosis AP Biology Lab 3:

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