April 9th, 2019 – Experiment on Thin Layer Chromatography Botany Article Shared by ADVERTISEMENTS Experiment Botany Physiology Chromatography This is a question and answer forum for students teachers and general visitors for exchanging articles answers and notes Answer Now and help others

Chromatography Lab BetterLesson
April 20th, 2019 – They need to carefully examine the date to answer the questions which will lead to forming a conclusion Teacher Tip Try this Candy Chromatography experiment as an extension activity or use permanent markers and isopropyl alcohol in place of the washable markers and filter paper

Kool Aid® Chromatography Carolina.com
April 12th, 2019 – Use this chromatography activity to teach an important lab technique and introduce or reinforce key science terms and concepts. Find answers to the most common dissection questions here Manuals amp Buying Guides Conclusion From this experiment students should observe that the grape Kool Aid® is colored with a mixture of red and blue

Paper Chromatography Separation and
April 18th, 2019 – Paper Chromatography Separation and Identification of Five Metal Cations Objectives Known and unknown solutions of the metal ions Ag Fe3 Co2 Cu2 and Hg2 will be analyzed using paper chromatography. An unknown solution containing some of these cations will be identified by comparison to the R

Mixture or compound Paper Chromatography Lab
April 14th, 2019 – Paper Chromatography Lab • Obtain the supplies you’ll need 1 large beaker or plastic cup Questions What colors did your group observe in each of the black ink samples 4th – Have your answers checked by the teacher Keep trying until you are able to identify all 6 pens Pen A matches

Experiment on Thin Layer Chromatography Botany
April 20th, 2019 – Experiment on Thin Layer Chromatography Botany Article Shared by ADVERTISEMENTS Experiment Botany Physiology Chromatography This is a question and answer forum for students teachers and general visitors for exchanging articles answers and notes Answer Now and help others

Chemistry 422 BIOCHEMISTRY LABORATORY MANUAL
April 18th, 2019 – amounts of class time and annoying both your lab partners and your instructor You will also find it difficult to answer the prelab questions that must be turned in each day The biochemistry laboratory course is an exploration of procedures This means that in order to get full benefit from the course you will need

Chromatography Questions Free Essays Term Papers
April 6th, 2019 – 5 How is the technique of chromatography used to separate a mixture 6 Is chromatography a physical or chemical change Explain Conclusion 1 Describe what you have learned from this lab 2 Research different types of chromatography to understand how it is used Rewrite this in your own words

Using Paper Chromatography web Oregon State University
April 16th, 2019 – Using Paper Chromatography In paper chromatography a small amount of the substance to be analyzed analyte is placed on a strip of paper the stationary phase above the level of the solvent mobile phase In this activity you will be using ink as the analyte and alcohol as the solvent As

Column Chromatography Engineering Chemistry Questions
April 12th, 2019 – Engineering Chemistry Questions and Answers — Column Chromatography Posted on May 15 2017 by staff10 This set of Engineering Chemistry Multiple Choice Questions amp Answers MCQs focuses on “Column Chromatography”
**Introduction**

In photosynthesis, plant cells convert light energy into chemical energy that is stored in sugars and other organic compounds. Critical to the process is chlorophyll, the primary photosynthetic pigment in chloroplasts. This laboratory has two separate activities: I. Plant Pigment Chromatography and II.

### Plant Pigment Chromatography

**Teacher Page**

April 10th, 2019 - Conclusion Questions and Answers

1. What reference numbers Rf did you calculate for chlorophyll a and chlorophyll b? Answer: Numbers will vary according to solvent used, pigment concentration, experiment results, and calculations. However, results should be similar to the following typical Rf values: Chlorophyll a - 0.60, Chlorophyll b - 0.40.

**Candy chromatography lab report**

The Writing Center

April 17th, 2019 - The title of the lab should be at the top of the lab report. Do with high speed gas chromatography lab report any interesting. This lab will demonstrate the basic principles of column chromatography. An eluent is used to separate each component out of a mixture.

**Lab Report for Paper Chromatography**

Santa Monica College

April 12th, 2019 - Lab Partner Lab Section. Lab Report for Paper Chromatography. Data Observations. Calculations and Analysis. Answer in at least three sentences. Include any difficulties in identifying any ions. 2. If you let the experiment run for only 30 minutes, what would be the likely result?

**Lab Report for Paper Chromatography**

Author

Lab report on Paper Chromatography essays

April 21st, 2019 - Lab report on Paper Chromatography essays. Materials and constituents page 5. The purpose of this lab report is to explain what exactly happened to the lab equipment that the experiment was executed and apply the results and conclusions that were deduced. Also, specify the errors that might have happened.

**Column Chromatography lab Discussion and Conclusion**

The April 14th, 2019 - Discussion and Conclusion. The purpose of this experiment is to separate a mixture of 1-fluorene and 9-fluorenone by column chromatography. Column chromatography operates on the principle that the components of a mixture separate differently between two immiscible phases. By manipulating that principle, column chromatography can separate and isolate the components of a mixture by the elution process.

**Lab Activity H5 Paper Chromatography of M amp M’s**

April 19th, 2019 - Lab Activity H5 Paper Chromatography of M amp M’s. OUTCOMES. After completing this lab activity, the student should be able to explain basic principles of chromatography in general, describe important aspects of paper chromatography, identify the number and nature of the components found in different color M amp M’s.

**Discussion**

Lab Report Florida State University

March 29th, 2019 - The conclusion section should be several paragraphs addressing the following: any errors in the experiment. Answer the following questions: TLC is a form of chromatography that can be used to determine the amino acid content of a protein mixture. Explain how this process might work.

**Paper chromatography report**

BIOLOGY JUNCTION

April 18th, 2019 - Paper Chromatography. Introduction. The purpose of this experiment is to observe how chromatography can be used to separate mixtures of chemical substances. Chromatography serves mainly as a tool for the examination and separation of mixtures of chemical substances. Chromatography is using a flow of solvent or gas to cause the components of a mixture to...
Lab 1 Thin Layer Chromatography WebAssign
April 17th, 2019 - Lab 1 Thin Layer Chromatography Objective In this laboratory you will separate spinach pigments using thin layer chromatography TLC. Introduction Mixtures of compounds are very common in Organic Chemistry. Most reactions produce more than one product. Naturally occurring materials are only rarely 100% pure.

Chromatography Lab Answes SchoolWorkHelper
April 19th, 2019 - Chromatography Lab Answers. Purpose: The purpose of the experiment is to determine the specific types of pigments found in a beet leaf and in a spinach leaf by using paper chromatography and two solvents: water soluble solvent and lipid soluble solvent.

Chromatography Lab Questions Essay Example for Free
April 19th, 2019 - The type of pen that will probably give better separation in this paper chromatography experiment with water as solvent is the permanent marker because it will show up clearer. Chromatography Lab Questions How About You Write Your Own? We will help you write your essay at just 13.90/page. Your Answer is very helpful for Us.

Lab Activity H5 Paper Chromatography of M and M’s
April 19th, 2019 - Lab Activity H5 Paper Chromatography of M and M's. OUTCOMES: After completing this lab activity, the student should be able to explain basic principles of chromatography in general, describe important aspects of paper chromatography, identify the number and nature of the components found in different color M and M's.

Discussion
Paper Chromatography Experiment Report WriteMyPapers
April 19th, 2019 - There are several applications of paper chromatography and other main types of chromatography techniques. This technique is applicable in Pharmaceutical industries, hospitals, forensic science, environmental science, and manufacturing plants. This report describes the experiment conducted using paper chromatography to identify an unknown mixture.

Chromatography Lab Report UK Essays
January 28th, 2018 - Discussion and Conclusion: In this lab using the technique of Gas Chromatography, four different experiments were performed. In Experiment 1, the ethanol content in a mouthwash was determined. This was done by using an internal standard of butanol.

Spinach Chromatography Lab Salmon River High School
April 19th, 2019 - Spinach Chromatography Lab. Chromatography is a technique for separating and identifying substances in a mixture based upon their solubility in a solvent. Prelab Questions: Answers should be in complete sentences.

Column Chromatography Lab Question Yahoo Answers
March 23rd, 2019 - The conditions under which you perform column chromatography do not separate two compounds. However, TLC analysis on every collected fraction from the column reveals 2 spots from a number of fractions. As a result, you ask 5 classmates to modify the column conditions you used to find a set of conditions which effectively separate these two compounds.

Liquid Chromatography A Sedano AP Chemistry Laboratories
March 7th, 2019 - A. Sedano AP Chemistry Laboratories. Search this site Laboratory ePortfolios. The solvent is usually nonpolar, pumped through a polar solid in liquid chromatography. In this experiment, a method called reverse phase liquid chromatography is used. Conclusion: By using the process of liquid chromatography, it is possible to separate dyes.
OBJECTIVE
In this laboratory you will separate spinach pigments using thin layer chromatography (TLC).

INTRODUCTION
Mixtures of compounds are very common in Organic Chemistry. Most reactions produce more than one product. Naturally occurring materials are only rarely 100% pure.

PURPOSE
The purpose of the experiment is to determine the specific types of pigments found in a beet leaf and in a spinach leaf by using paper chromatography and two solvents: water-soluble solvent and lipid-soluble solvent.

PURPOSE
The purpose of this experiment is to determine the best eluting solvent to separate the dyes found in candy-coated M&M's using the paper chromatography technique.

INTRODUCTION
Thin layer chromatography, also known as TLC, is the physical separation of a mixture into its individual components by distributing the components between a stationary phase (the porous TLC plate) and a mobile phase (the solvent that moves through the stationary phase and carries the material that needs to be separated).

INTRODUCTION
Paper chromatography is a form of liquid chromatography where the components of a mixture of organic compounds get separated as unique spots by unidirectional flow of the developing liquid mobile phase solvent mixture over the filter paper to which a spot of the sample is applied.

INTRODUCTION
Chromatography is the method used to separate different substances in a mixture.

INTRODUCTION
Chromatography is a form of liquid chromatography where the components of a mixture of organic compounds get separated as unique spots by unidirectional flow of the developing liquid mobile phase solvent mixture over the filter paper to which a spot of the sample is applied.

CONCLUSION
1. Describe what

5. How is the technique of chromatography used to separate a mixture? Is chromatography a physical or chemical change? Explain.
you have learned from this lab 2 Research different types of chromatography to understand how it is used. Rewrite this in your own words.

**Experiment 1 Thin Layer Chromatography Experiment**

April 15th, 2019 – Table Eluting solvents for chromatography:

- Least Eluting Power: Hexanes, a mixture of isomers
- Toluene
- Dichloromethane
- Diethyl Ether
- Ethyl acetate
- Acetone
- Ethanol
- Methanol
- Water
- Greatest Eluting Power: Acetic acid

Note: Bring a ruler and pencil to lab for this experiment. Based on your answers to pre-lab question 1, choose two solvents to start with.

**What is the purpose of chromatography in a lab experiment?**

April 16th, 2019 – Get an answer for What is the purpose of chromatography in a lab experiment and find homework help for other Science questions at eNotes.

**Experiment 1 Thin Layer Chromatography Experiment**

April 15th, 2019 – Table Eluting solvents for chromatography:

- Least Eluting Power: Hexanes, a mixture of isomers
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- Greatest Eluting Power: Acetic acid

Note: Bring a ruler and pencil to lab for this experiment. Based on your answers to pre-lab question 1, choose two solvents to start with.

**Mixture or compound: Paper Chromatography Lab**

April 14th, 2019 – Obtain the supplies you’ll need. 1 large beaker or plastic cup.

Questions:

- What colors did your group observe in each of the black ink samples?
- 4th – Have your answers checked by the teacher. Keep trying until you are able to identify all 6 pens. Pen A matches.

**EXPERIMENT 3 THIN LAYER CHROMATOGRAPHY A Barnard College**

April 19th, 2019 – EXPERIMENT 3 THIN LAYER CHROMATOGRAPHY A PRELAB ASSIGNMENT. Prepare a Table of Physical Constants for the following compounds:

- Ferrocene
- Aspirin
- 2 Nitroaniline
- Salicylamide
- 4 Nitroaniline
- Caffeine
- 2 Nitrophenol
- Acetaminophen

Consult the Merck Index as well as the Handbook of Chemistry and Physics.

THEORETICAL BACKGROUND

**PAPER CHROMATOGRAPHY Chem Lab**

April 21st, 2019 – ransom note is in question. Using paper chromatography, it is often possible to identify the source of the inks that were used and thereby provide strong evidence that can be used in the courtroom. In the second part of the experiment, you will separate a mixture of three food colorings using reverse phase chromatography.

**Lab 5 Separation of a Dye Mixture Using Chromatography**

March 8th, 2019 – The purpose of this experiment is to investigate the factors that influence the separation of food dyes using paper chromatography. The investigation begins with a baseline activity comparing the separation or resolution of three FD amp C dyes: Red 40, Blue 1, and Yellow 5 using two solvents.

**Chromatography Questions including What is a**

April 18th, 2019 – Chromatography Questions including What is a definition of chromatography and In column chromatography separation of p nitroaniline and o nitroaniline which will be eluted first and why.

**Answer Key for Chromatography Lab Weebly**

April 9th, 2019 – another form of chromatography and describe it in depth. Need to research a method of chromatography other than paper chromatography. Looking for three to four sentences explaining the type of chromatography that you researched. Topics: column, thin layer, gas, high performance, liquid, ion exchange, gel filtration, or affinity chromatography.
Experiment 5 - Column Chromatography Chemistry
April 17th, 2019 - separate two compounds by column chromatography

Experiment 6 - Column Chromatography DUE Extraction Lab Report exp 4 Lab Reports are due at the beginning of your regular lab session. Conclusion a brief recap of your findings make a general statement about extraction what did you learn should be brief 2-3 sentences

Forensics Ink Chromatography Lab
April 17th, 2019 - Forensics Ink Chromatography Lab 2015 Conclusion questions 1 In this experiment what is the purpose of the water 2 Do you think linking a brand of marker or pen to the crime is enough evidence to convict a suspect Why or why not use your forensic words 3 Did any of the marker samples have the same chromatography results If so which

What is conclusion about chromatography Quora
April 17th, 2019 - Conclusion of Chromatography Let's assume that you have a compound Z with you which is impure. You want to know the purity of Z objective Now based on the nature you can either go with GC or HPLC You develop a chromatographic method to anal

Chromatography lab report biology SlideShare
April 13th, 2019 - Chromatography lab report biology 1 IB Biology HL Lab Report Separation of Photosynthetic pigments using Plant Chromatography Shantal Al Habib 17 May 2016 2 Aim The aim of this experiment is to separate and identify the pigments found in different types of plants

Discussion Why we chose our solvents Liquid paper chromatography It generally is oriented towards the general detection and potential identification of chemicals in the presence of other chemicals in a complex mixture It is also used in the separation of molecules in a

Liquid Chromatography Kylem.net
April 12th, 2019 - Liquid Chromatography Kyle Miller October 30 2006 1 Purpose The purpose of this experiment is to use liquid chromatography to separate the component substances that are contained in grape flavored Kool Aid 2 Procedure There are two parts to this lab In part one the two dyes in the drink are separated using 10 mL of 70 isopropanol as the

PAPER CHROMATOGRAPHY Chem Lab
April 18th, 2019 - ransom note is in question Using paper chromatography it is often possible to identify the source of the inks that were used and thereby provide strong evidence that can be used in the courtroom In the second part of the experiment you will separate a mixture of three food colorings using reverse phase chromatography

CHEM 2071 ORGANIC CHEMISTRY I LABORATORY Auburn
April 11th, 2019 - Here is the best resource for homework help with CHEM 2071 ORGANIC CHEMISTRY I LABORATORY at Auburn University Find CHEM2071 study guides notes and Find Study Resources ORGANIC CHEMISTRY I LABORATORY Questions amp Answers ORGANIC CHEMISTRY I LABORATORY Documents All 457 Chromatography lab report 3 pages

What is conclusion about chromatography Quora
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April 7th, 2019 - They need to carefully examine the date to answer the questions which will lead to forming a conclusion Teacher Tip Try this Candy Chromatography experiment as an extension activity or use permanent markers and isopropyl alcohol in place of the washable markers and filter paper

Lab Report Florida State University
March 29th, 2019 - The conclusion section should be several paragraphs addressing the following any errors in the experiment Answer the following Questions TLC is a form of chromatography that can be used to determining the amino acid content of a protein mixture Explain how this process might work

Plant Pigment Chromatography Lab Conclusion Free Essays
April 21st, 2019 - Plant Pigment Chromatography Lab Conclusion CHROMATOGRAPHY OF PLANT PIGMENTS Marquez Ma Rica Paulene Moises Patrisha Kate Policarpio Jairus Paolo Rolda Zylene Joy Department of Biology College of Science University of the Philippines Baguio April 23 2013 ABSTRACT The objective of this experiment was to apply the technique of paper chromatography as a method for separating

Chromatography lab report biology SlideShare
April 13th, 2019 - Chromatography lab report biology 1 IB Biology HL Lab Report Separation of Photosynthetic pigments using Plant Chromatography Shantal Al Habib 17 May 2016 2 Aim The aim of this experiment is to separate and identify the pigments found in different types of plants

Chemistry Lab report 7 Chromatography Experiment 3
April 14th, 2019 - Chromatography Experiment 3 CH127 D3A Date of Experiment 10 28 15 Jian Cheng Partner Steven Objective The goal of this experiment is to determine the different colorful substances in a mixture by using separation technique which called chromatography Introduction Theory Chromatography is the method that used to separate different substances in a mixture

Plant Pigment Paper Chromatography Texas Tech University
April 19th, 2019 - Plant Traveling Lab TTU HHMI at CISER 2010 3 Preparation of the Sample Important Oil from the skin affects the separation so handle paper as little as possible and only by the edges 1 Take a strip of chromatography paper approximately 18 cm long One end is blunt and the other is pointed 2

paper chromatography report BIOLOGY JUNCTION
April 21st, 2019 - Paper Chromatography Introduction The purpose of this experiment is to observe how chromatography can be used to separate mixtures of chemical substances Chromatography serves mainly as a tool for the examination and separation of mixtures of chemical substances Chromatography is using a flow of solvent or gas to cause the components of a mixture to

What is the purpose of chromatography in a lab experiment
April 20th, 2019 - Get an answer for What is the purpose of chromatography in a lab experiment and find homework help for other Science questions at eNotes

Liquid Chromatography A Sedano AP Chemistry Laboratories
Spinach Chromatography Lab Salmon River High School
April 19th, 2019 - Spinach Chromatography Lab Chromatography is a technique for separating and identifying substances in a mixture based upon their solubility in a solvent. Prelab Questions. Answers should be in complete sentences.

Plant Pigment Paper Chromatography Texas Tech University
April 19th, 2019 - Plant Pigment Paper Chromatography Prelab Questions. Answers should be in complete sentences.

Candy Chromatography Lab Report The Writing Center
April 17th, 2019 - The title of the lab should be at the top of the lab report. Do with high speed gas chromatography lab. Report any interesting. This lab will demonstrate the basic conclusions. Page 12. Free Essay. Furthermore, in the column chromatography, an eluent is used to separate each component out of a mixture.

INVESTIGATING GAS CHROMATOGRAPHY rev 8.12
April 14th, 2019 - EXPERIMENT 2 INVESTIGATING GAS CHROMATOGRAPHY rev 8.12 GOAL. In this experiment, you will measure and analyze the chromatogram of a mixture of seven compounds using a Vernier Mini GC. You will then vary the temperature, pressure profile, and answer the questions at the end of the lab. Take detailed notes.

Identifying Amino Acids By Using Paper Chromatography
December 4th, 2016 - Paper Chromatography is a technique involving two phases: the stationary phase and the mobile phase. As the names suggest, the stationary phase does not move. In this experiment, the stationary phase was the filter paper, while the mobile phase was the solvent.

Paper Chromatography Experiment Report WriteMyPapers
April 21st, 2019 - There are several applications of paper chromatography and other main types of chromatography techniques. This technique is applicable in Pharmaceutical industries, hospitals, forensic science, environmental science, and manufacturing plants. This report describes the experiment conducted using paper chromatography to identify an unknown mixture.

INVESTIGATING GAS CHROMATOGRAPHY rev 8.12
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Chromatography Lab AP Biology
April 20th, 2019 - Chromatography Lab AP Biology Plant Pigments. Chromatography. Introduction. In this laboratory, you will separate plant pigments using chromatography. Paper chromatography is a useful technique for separating and identifying pigment and other molecules from cell extracts that contain a complex mixture of molecules. The solvent moves up the paper by.

Column Chromatography Lab Discussion and Conclusion The
April 14th, 2019 - Discussion and Conclusion. The purpose of this experiment is to separate a mixture of 1,1-flourene and 9-flourenone by column chromatography. Column...
chromatography operates on the principle that the components of a mixture separate differently between two immiscible phases. By manipulating that principle, column chromatography can separate and isolate the components of a mixture by the

**Chromatography Lab Activity TeachEngineering**
April 18th, 2019 - Review their answers to gauge their comprehension of the material. Wrap up discussion at lab end, bring students together as a class and ask them the following questions about how chromatography works, what happens to the ink during this process, and its real-world relevance. Make sure everyone understands the answers.

**Separation of Photosynthetic Pigments using Paper**
April 16th, 2019 - Remove the chromatography paper to dry and attach it to your lab handout. Figure 1: Conclusion Questions. What colors were present in your marker line before the experiment? What colors were present in your spinach line before the experiment? What process did you use to separate the pigments?

**Chromatography Lab AP Biology**
April 10th, 2019 - Chromatography Lab AP Biology. Plant Pigments Chromatography Introduction. In this laboratory, you will separate plant pigments using chromatography. Paper chromatography is a useful technique for separating and identifying pigment and other molecules from cell extracts that contain a complex mixture of molecules. The solvent moves up the paper by

**Experiment 5: Column Chromatography Chemistry**
April 20th, 2019 - Separate two compounds by column chromatography. Experiment 6: Column Chromatography. Due: Extraction Lab Report. Lab Reports are due at the beginning of your regular lab session. Conclusion: A brief recap of your findings. Make a general statement about extraction. What did you learn? Should be brief, 2-3 sentences.

**Chemistry 422: Biochemistry Laboratory Manual**
April 18th, 2019 - Amounts of class time and annoying both your lab partners and your instructor. You will also find it difficult to answer the prelab questions that must be turned in each day. The biochemistry laboratory course like all laboratory courses is an exploration of procedures. This means that in order to get full benefit from the course, you will need

**Separation by Chromatography Lab Report SlideShare**
April 17th, 2019 - Separation by chromatography lab report. 1 Lab 4: Separation by Chromatography. Purpose: The purpose of this experiment is to determine the best eluting solvent to separate the dyes found in candy coated M&M's using the paper chromatography technique. 0 mm, 3 mm, 0 mm. Conclusion: The data collected in the charts did answer my question of

**A Lab on Chromatography: Inks Analysis**
April 9th, 2019 - A Lab on Chromatography Inks Analysis. Did Pete Cheat? A Lab on Chromatography of Inks. You are the forensics scientist who must answer this question. For a lab group of 3-4. 1. Obtain two pieces of filter paper. 2. Cut the filter paper into 4 sections. 3. Then cut the one end at an angle.

**Forensics: Ink Chromatography Lab**
April 20th, 2019 - Forensics Ink Chromatography Lab 2015. Conclusion questions. 1. In this experiment, what is the purpose of the water? 2. Do you think linking a brand of marker or pen to the crime is enough evidence to convict a suspect? Why or why not? Use your forensic words. 3. Did any of the marker samples have the same chromatography results? If so, which?

**Plant Pigment Chromatography Lab Conclusion Free Essays**
April 19th, 2019 - Plant Pigment Chromatography Lab Conclusion. Chromatography of Plant Pigments. Marquez Ma Rica Paulene Moises Patrisha Kate Policarpio
The objective of this experiment was to apply the technique of paper chromatography as a method for separating...
food dyes which means you figure out what kind of compounds are used in a product like food color etc by comparing the result to FD amp C Food Dyes