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Lab 6: Paper Chromatography

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Plant pigments have the ability to absorb visible light, which can be used in order to harvest energy for photochemical reactions. There are a variety of pigments present in plants, and for this experiment, these pigments were separated using paper chromatography.

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A Practical Use for Paper Chromatography By: Matthew Schweitzer. Introduction: Chromatography is a major operation used in many different operations in chemistry. Chromatography is a method of separation in which the components of a substance are separated and distributed between two phases which are the mobile phases and stationary phase. 1 There are different methods of chromatography.

Separation of Photosynthetic Pigments: Paper Chromatography

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PAPER CHROMATOGRAPHY - Chem Lab

Discussion/Conclusion: In this chromatography lab, we separated food coloring into their component dyes using chromatography paper. When we put the piece of chromatography paper in the solvent, the paper absorbs that liquid due to capillary action.

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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.

Paper chromatography experiment 1. Clarinda clare linusDiploma In Medical Sciences - January 2011 2. At the end of this laboratory activity, the students should be able to: Be introduced to the

principles and terminology of chromatography and demonstrate separation of the dyes in colored pens with paper chromatography.

Paper Chromatography Report - BIOLOGY JUNCTION

The visitor inserts a piece of absorbent paper into the plastic flap and draws coloured circles with felt tip pens on the paper that shows through the three holes. The flap is then swung over so that the centres of the three holes are pressed against the three wicks whose ends dip into the dish of water.

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Paper Chromatography Lab Report Discussion

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.

Paper Chromatography Experiment Report | Examples and Samples

Lab 6: Paper Chromatography Pages145-154 Pre-lab page 151 No Post lab - Chromatogram must be turned in attached to lab report. Chromatography • Chromatography is an analytical technique used to separate the components of a mixture. • All forms of chromatography work on the

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Separation of Photosynthetic Pigments: Paper Chromatography

In this lab, you will explore two applications of chromatography - identification of an unknown ink sample and the separation of food colorings. In paper chromatography, the sample mixture is applied to a piece of filter paper, the edge of the paper is immersed in a solvent, and the solvent moves up the paper by capillary action.

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Plant Traveling Lab. TTU/HHMI at CISER. 2010 2 The bands derived in paper chromatography contain the pigments found in the plant. The bands can be cut apart, and placed in alcohol to elute the pigment in an

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