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Answers**

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Plant Pigments And Photosynthesis Answers

No. All pigments found
in plants are not
involved in
photosynthesis. In fact,
the greatest variety of
colored pigments are
found in flower pedals

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and are used to attract
pollinators among
other ...

What plant pigments are involved in photosynthesis? - Answers

Light is a part of a
continuum of radiation
or energy waves. The
energy from visible
light is used in the
photosynthetic
process. Light is
absorbed in the leaf
pigments, electrons

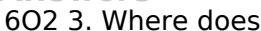
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within each photosystem are boosted to a higher energy level to produce ATP and to reduce NADP and NADPH.

Lab 4 Plant Pigments - BIOLOGY JUNCTION

What does a plant need for photosynthesis? a. Chlorophyll 2. Write the balanced reaction for photosynthesis. a.

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3. Where does photosynthesis occur in

a plant? a. Chloroplast

Data Tables Table 1:

Chromatography of

Plant Pigments Band #

Distance from Origin

(mm) Band

Color/Identification

Lab Report for Exploring Photosynthesis & Plant Pigments ...

- separate plant

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pigments using chromatography and calculate Rf values • measure the rate of photosynthesis in isolated chloroplasts (The measurement technique involves the reduction of the dye DPIP. The transfer of electrons during the light-dependent reactions of photosynthesis reduces DPIP and changes its color from blue to colorless.)

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AP Biology Lab 4: Plant Pigments and

Photosynthesis? I need help answering these questions: 1. What variables are tested in this experiment?

Describe how each variable is tested and then describe the results of your experiment. Cuvette 2: Cuvette 3: Cuvette 4:

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2. Why wasn't DPIP added to Cuvette 1? 3. What was the purpose of...

AP Biology Lab 4: Plant Pigments and Photosynthesis ...

Chlorophyll a is in the reaction center, and the other pigments are able to absorb light from the other wavelengths that chlorophyll a cannot absorb light from, and then they transfer the

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Biology AP Lab Plant Pigments and Photosynthesis? | Yahoo ...

Plants have many varieties of pigments, all of which absorb different colors of light. Chlorophyll a is the primary plant pigment and makes up about three-fourths of all the plant pigments. It absorbs red and blue light and is not found in

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photosynthetic
bacteria. Chlorophyll b
is another plant
pigment. It absorbs
blue-green and orange-
red light.

Lab & AP Sample 2 - BIOLOGY JUNCTION

The increased number
of accessory pigments
allows for a wider
range of light to be
taken in and converted
into energy (excitation
of electrons on the
chlorophyll) for the

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photosynthetic process. In comparison to the spinach leaf, this plant doesn't have a massive storage "unit" at the base of the plant.

Chromatography Lab Answers |

SchoolWorkHelper

In photosynthesis, plant cells convert light energy into chemical energy that is stored in sugars and other organic compounds.

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Critical to the process is chlorophyll, the primary photosynthetic pigment in chloroplasts. This laboratory has two separate activities: I. Plant Pigment Chromatography, and II.

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Answer 3:" I've used mulberry leaves for this pigment

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chromatography lab.

The darker the leaf, the better. It works best if you get a really dark line." —Jo Ann Burman, Andress High School, El Paso, Texas. 2/8/99.

Tip: "I had dropped the photosynthesis lab when I first started teaching AP Biology out of frustration. When the lab manual first ...

AP Biology: Lab 4: Plant Pigments and

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Photosynthesis | AP Answers

that is stored in food. Pigments make photosynthesis possible. Chlorophyll is the primary pigment in most plants. It is within chlorophyll molecules that light energy is converted to chemical energy. Chlorophyll also gives green plants their color. What about plants that do not have green leaves? What pigments are found in

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these plants?

Guided Inquiry Skills Lab Chapter 8 Lab Plant Pigments and

...

If you are referring to the "Plant Pigments and Photosynthesis" Lab Then, the DPIP is used to substitute NADP^+ . In photosynthesis, electrons are normally transferred to NADP^+ . However, DPIP will ...

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Lab 4 AP Bio Plant Pigments and Photosynthesis? - Answers

The first land plants evolved from green algae that could already carry out photosynthesis (answer b). This evolution occurred during the Silurian period of the Paleozoic era approximately 410 ...

Solved: The first
Page 18/24

Read Book Plant Pigments And Photosynthesis land plants Answers

...

Question: Arial 11 v A'
A' Aa X X ADA Dictate
Sensitivity B I Styles
Styles Pane Plant
Pigments And
Photosynthesis
EXPERIMENT 1:
HARMFUL AGAL
BLOOMS Post-Lab
Questions 1. Create A
Graph Displaying The
Trend Of Nitrogen,
Phosphorous, And
Chlorophyll A For Each

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Year Of Recorded Data.
Insert The Graphs For
All Three Data Tables
Here.

**Arial 11 v A' A' Aa X
X ADA Dictate
Sensitivity B ...**

In paper chromatography the pigments are dissolved in a solvent that carries them up the paper. In the ink example, the solvent is water. To separate the pigments of the chloroplasts, you

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must use an organic solvent. In the following activity, you will separate plant pigments using an organic solvent such as a mixture of ether and acetone.

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It is present within the
chloroplasts of all

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photosynthetic eukaryotes. All other photosynthetic pigments found in the chloroplasts of higher plants are called "accessory pigments". These include several other types of chlorophyll, the carotenoids and xanthophylls, and the phycobillins.

Assignment 6, page 1

Lab # 5 Plant Pigments

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and Photosynthesis
Introduction In Lab 5,
we separated plant
pigments using
chromatography and
measured the rate of
photosynthesis in
isolated chloroplasts. In
Experiment 1, we
extracted pigments of
spinach and smeared
them onto filter paper,
which was then placed
in a graduated cylinder
with 1 cm of solvent at
the bottom. The
solvent slowly went up

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the paper, by capillary
action, and carried with
it the spinach
pigments, leaving
behind colorful streaks
at different ...

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