

Title - **LIGHTS OUT**

By - Judy Schneider

Primary Subject - Science

Secondary Subjects - Science

Grade Level - 5 - 8 (adaptable)

SCIENCE PROJECT OF THE WEEK

LIGHTS OUT

PROBLEM: Do plants need sunlight to be green?

RESEARCH: Read about chlorophyll in a science book. Write two or three paragraphs about chlorophyll. Be sure to write in your own words.

HYPOTHESIS: Based on your research about chlorophyll, do you think the leaves will stay green without chlorophyll?

MATERIALS:

plant with broad leaves (may be inside or outside)

black construction paper

transparent material (such as a plastic bag)

scissors

tape

PROCEDURE:

1. Cut two pieces of black construction paper large enough to cover each of five leaves.
2. Sandwich each of the five leaves between two pieces of construction paper.
3. Repeat steps 1 and 2 using the transparent material and cover five different leaves.
4. Each day for five days remove the construction paper and the transparent material from one leaf each.
5. Record your observations of the changes for both types of leaf covers.

DATA: Record your observations for five days:

	Leaves w/ black paper	Leaves w/ transparent material
Day 1		
Day 2		
Day 3		
Etc.		

CONCLUSION: This is not optional. You must explain what you learned by doing this activity. Remember that you must answer the question you asked in your original problem statement.

NOTE: BE SURE TO HAVE YOUR PARENT OR GUARDIAN SIGNS YOUR WORK. PARENTS: YOUR SIGNATURE SHOWS YOUR STUDENT HAS DONE THE WORK.

TEACHER SECTION:

POSSIBLE HYPOTHESIS: Either The leaves will be changed or will not be changed. The students should make some kind of guess which.

POSSIBLE CONCLUSION: Student should discuss changes in the leaves from day to day. Conclusion should be supported by the data.

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