



# Energy for Life

## Grade Levels: 1-4

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### Background

Energy comes in many different forms. Two of those forms are growth and light. Energy is never created or disappears—it only changes. When a plant grows, it gets its energy from the light of the sun.

### Question

Must plants have energy from the sun to live?

### Possible Hypothesis

Plants need/do not need the sun's energy to live.

### Materials

- Two similar plants
- Brown paper bag
- Water

### Procedure

1. Place two plants in a sunny place.
2. Cover one plant with a brown paper bag.
3. Give both plants the same amount of water.
4. Observe the plants for two weeks.

### Analysis and Conclusion

Which plant looked healthier after two weeks? Was your hypothesis correct? What energy transformations did your experiment show?

### Real World Connection

Who could use your results in real life? What would they learn from your experiment?

