



Sprouting Seeds

Grade Levels: 1-4

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

How much sun does a seed need to sprout?

Possible Hypothesis

A seed needs _____ sun to sprout.

Materials

- Three potting containers with potting soil
- Packet of pea or bean seeds
- Water
- Brown paper bags

Procedure

1. Plant three seeds in each potting container.
2. Give all pots the same amount of water.
3. Place one pot in a sunny place all day, every day for two weeks.
4. Place one pot in a sunny place for an hour a day for two weeks. Cover the pot with a paper bag the rest of the time.
5. Cover one pot with a paper bag all of the time for two weeks.
6. Observe the sprouting seeds.

Analysis and Conclusion

Which seeds sprouted and grew the best? What did you learn about a seed's need for sun?

