

Seedlings

Materials Needed: Lima bean seeds, corn kernels, fruit seeds (or other types of seeds), bowl, water, magnifying lens or hand lens, paper

Questions for the Scientist:

1. How do seeds store their food?
2. What are the similarities and differences among different types of seeds?

State Your Hypothesis:

Procedures:

1. Collect various types of seeds for use in this experiment. Consider using the following: lima bean seed, corn kernel, fruit seed.
2. Soak the seeds in a bowl of water overnight. Remove water and afterward, rinse seeds twice daily for 5 to 7 days.
3. Carefully separate the two halves of each seed, if possible, and examine the seed halves with a magnifying glass or hand lens.
4. Draw what you observe when you separate the seeds.
5. Compare the various seeds and consider how they are alike and different.

Key Questions:

1. How is each type of seed structured? To what extent are the seeds different from one another?
2. How do these seeds store their food? What evidence that you collected explains how seeds store their food?
3. How would you classify these seeds?

Results and Application:

After studying your results, what conclusions can you draw? Do your results support your hypothesis? Explain your reasoning.