K–5 · INVESTIGATION

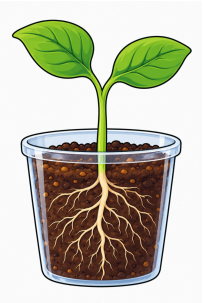
Seed Germination Diary

Name / chosen name: _____

Work with an adult. Predict before testing; observations describe what actually happened.

Materials

Large bean seed, clear container, damp paper towel and a recording sheet.



Instructions

1. Place the seed beside a damp paper towel in a clear container.
2. Predict which part you might see first.
3. Keep the towel damp, not flooded; observe daily for a week.
4. Draw changes and record days when roots or shoots appear.

1. My prediction

Observation

Safety: An adult handles containers and checks for mold. Do not eat experiment seeds. Wash hands; discard moldy materials without children handling them.

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Record and explain

1. What happened?

2. Was it different from my prediction?

3. What did I change or keep the same?

Scientific explanation: A viable seed can begin growing when conditions such as water, oxygen and temperature are suitable. Stored food supports early growth. Some seeds need particular additional conditions.

1. One further question

2. How I could test it safely with an adult

Background source: https://www.sciencelearn.org.nz/images/4956-germination