



Observing the Development of Bean Seeds

Through Clear Glass Containers



Name: _____ Date Started: _____ Date Finished: _____



QUESTION

How do bean seeds develop and grow over time?



HYPOTHESIS

I think that _____



MATERIALS

- Dried bean seeds (e.g., pinto, navy, or lima beans)
- 2 clear glass containers (jars or tall glasses)
- Paper towels or cotton balls
- Water
- Spray bottle or cup for watering
- Ruler
- Observation sheet (this page)



PROCEDURE

1. Place paper towels or cotton balls in the bottom of each glass container.
2. Wet the paper towels or cotton with water. They should be moist, not soaking.
3. Place 3–5 bean seeds against the inside wall of each container so they are easy to see.
4. Keep the containers in a warm place with indirect sunlight.
5. Check daily and keep the paper towels or cotton moist.
6. Observe and record what happens each day.



Time →

OBSERVATIONS

Day	Date	What I See (Draw or Describe)	Plant Height (cm)	Notes / Changes
1				
2				
3				
4				
5				
6				
6				
7				
8				
9				
10				
11				
12				
13				
14				

REFLECTION QUESTIONS

1. What was the first change you noticed?

2. What happened to the seed coat?

3. What happened to the roots and the shoot?

4. What did you learn from this experiment?

ADDITIONAL NOTES / DRAWINGS



SAFETY TIP

Do not drink the water.
Wash hands after handling
seeds and soil.