

# How Do Beans Grow In the Light



<b>Date</b>	<b>Observation</b>	<b>Measurement</b>	<b>Bean Plant Drawing</b>

Use this chart to record changes in your bean plant. Write an observation and draw a picture to show the changes. Be sure to note when the root and stem first appear. Use a ruler to measure growth in your bean plant.

**I think my beans will grow roots in which direction (circle one):**

**UP**

**DOWN**

**RIGHT**

**LEFT**

# Scientific Method

What is the Scientific Method?

The scientific method is a way for scientists to study, share and learn.

1. Ask a question (hypothesis) to predict what you will see
2. Observe, gather information, research, guess what will happen (hypothesis)
3. Experiment and test your hypothesis
4. Collect data
5. Analyzing the results
6. Share the results

Questions to consider: Which direction will the roots grow? How does light affect growth? Place some seeds in light and some in total darkness? How does warmth affect the plant? Place some seeds in a warm room some in a cold room? Is water needed for a seed to germinate?

## Lab Sheet

Question: \_\_\_\_\_

Hypothesis: \_\_\_\_\_

Materials: \_\_\_\_\_

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Experiment:

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Results:

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Conclusion:

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