

GROWING STRONG!



HOW DOES A
PLANT'S ENVIRONMENT AFFECT
HOW IT GROWS? LET'S DO AN
EXPERIMENT!

WHAT YOU'LL NEED:

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|--|---|
| ☐ Bean seeds | ☐ Soil |
| ☐ Experiment sheet | ☐ Water |
| ☐ Ruler | ☐ Pencil |
| ☐ 3 small containers
(cups, egg cartons,
yogurt containers, etc.) | ☐ Plate
Optional: materials
to test a variable |

WHAT TO DO:

1. Plan your experiment using the experiment sheet.

2. Plant your seeds in three containers.



Poke 5-6 small holes in the bottom of container for water to drain.



Add soil and make a 1-inch-deep hole in center. Add 2-3 seeds.

Repeat for all plants.



Cover seeds with soil and place the containers on a plate in a sunny place. Wet the soil until water drains out the bottom. Lightly water whenever the soil feels dry.

Don't forget to label your containers!

Testing a variable? Change the planting steps as needed.

3. Conduct your experiment over two weeks. What did you learn? What could you test next time?

4. After your experiment is over, you can replant your plants in a garden or a bigger container. Your plant may start producing beans after 2 months!

ADAPT TO SURVIVE!

All plants need water, sunlight, and nutrients to live. But, over millions of years, plants have adapted to different environments. The result is that plants grow nearly everywhere on Earth, from cold mountaintops to the dry, hot desert.

