Get $_2$ Know $H_2O$

# EXPERIMENT 16: Seeds and Needs

**Challenge: Find out what mix of sun and water helps make beans sprout!**

**8.** Compare the beans in the bags after one week. Record your observations.

**QUESTIONS:**

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- What effect did the amount of water have on seed growth?
- What effect did the amount of sunlight have on seed growth?
- Which combination of sunlight and water helped the seeds grow the most? The least?

# EXPERIMENT 16: Seeds and Needs

## Instructor's Guide

### ALIGNMENT WITH ILLINOIS STATE BOARD OF EDUCATION GOALS

**State Goal 11:**
Section A: 2a, 2b, 2c, 2d and 2e
Section A: 2a

**State Goal 12:**
Section B: 2a

### WHAT'S HAPPENING?

The water stays sealed in, which is keeping the beans moist and allowing them to sprout. Students will observe how the various combinations of water and sun affect their growth.

### WHAT COULD GO WRONG?

Get bean seeds from a reliable source and keep the bags sealed tight.

### LINKS

**www.NEED.org**

### CREDITS

The NEED Project PO Box 10101 Manassas, VA 20108
800-875-5029

### WHAT ELSE CAN KIDS LEARN?

**Sunny days and nights**
Have the kids think about whether or not the seeds would grow better if they were in sunlight 24 hours a day.

**But teacher, they looked thirsty**
Ask the students what might happen if you really soaked the beans with a cup of water.

**The equator equation factor**
Have the students discuss why grapes grow in California during summer and in Chile during winter?

### YOUR FEEDBACK

Were the instructions clear? Did the class stay interested? Email us at **feedback@Get2KnowH2O.org** and let us know what you think. We would like to share your suggestions with other teachers and give you credit for your great ideas!