

# A Mighty Wind!

## Procedure

- 1. Collaborate** Work with a partner. Place 250 mL (1 cup) of moist soil in each of the two plastic bowls. Label the soil samples *A* and *B*. Record your observations in the chart below. **Safety:** Wear goggles for this activity.

Soil Quality	Sample A	Sample B
Day 1		
Day 2		

- 2. Observe** Test the soil samples to determine their characteristics. For example, feel the consistency, dampness, and texture of the soil. Blow on it to see what effect wind might have on it. Record your observations in your chart.
- 3. Experiment** Securely cover soil sample *A* with plastic wrap. Make sure there are no holes or gaps in the wrap. Leave soil sample *B* open. Place the two bowls in a warm, sunny window and leave them overnight.
- 4. Observe** Remove the plastic wrap from sample *A*. Repeat step 2 with both samples and record your observations in your chart.

## Conclusion

Write the answers to the questions.

1. **Compare** Compare your data about the two soil samples. What similarities and differences did you note? How would you explain them?

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2. **Apply** How do you think your observations might explain soil conditions in nature?

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3. **Hypothesize** Do you think that growing plants affect the way that soil holds water? How could you test your hypothesis?

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## Investigate More!

**Design an Experiment** Will soil, sand, or gravel dry out at different rates? Design an experiment to find out. Conduct the experiment with your teacher's approval.