

**Experiment** Do forest plants release water more quickly than desert plants?

**Materials**

green leaf with stem

6 clear plastic cups

small stem with leaves  
from a jade plant

nail

3 squares of cardboard  
large enough to cover the  
cups

tape

water

**Ask a question.**

Do forest plants release water more quickly than desert plants?

**State a hypothesis.**

Write your hypothesis.

**Identify and control variables.**

In this experiment, the variable you change is the type of plant. The variable you observe is the amount of water remaining in the cup. The initial amount of water in the cups, and the cup without a plant, must be controlled, or kept the same.

**Test your hypothesis.**

- 1 Fill 3 of the plastic cups two-thirds full with water.
- 2 Use a nail to pierce the center of each cardboard square.

- 3 Place the jade plant stems through one cardboard square. Place the green leaf through the other.
- 4 Put each square on top of a cup. Make sure the plant stems are in the water.
- 5 Use tape to hold the cardboard onto the cups.
- 6 Place an empty cup over each square. Tape it securely to the cardboard.
- 7 Place the three setups in the same location. Do not put in a sunny place.
- 8 Observe the top cups for several days.

**State your conclusion.**

Write your conclusion based on your data and observations.

**Data and Observations.**

	Day 1	Day 2
Forest leaf		
Jade plant		
No plant		