

**Investigate** How does removing the bud from the top of some plants affect their growth?

**Materials**

6 potted plants  
(each 12 cm to 15 cm tall)

metric ruler

masking tape

marker

**What to Do**

- 1 Place a piece of masking tape on the side of each pot. Use the marker and number pieces of masking tape from 1 to 6. Place a numbered piece of tape on each pot.
- 2 Using your fingertips, carefully remove the top bud on the plants in pots 4, 5, and 6.
- 3 Measure the height of each plant. Record measurements in a data table.
- 4 Count the number of side shoots on each plant. Record the number in the data table.
- 5 Place the plants on a sunny windowsill and let them stay there for 8 days. Water them regularly.

- 6 After 8 days, measure the height of each plant and record the measurements in the data table.
- 7 Count the number of side shoots on each plant and record these in the data table.

**Explain Your Results**

Write your conclusion based on your data and observations.

**Data and Observations**

Pot	Height in cm		Number of Shoots	
	Day 1	Day 8	Day 1	Day 8
1				
2				
3				
4				
5				
6				