

Data Collection

Circumference of a Tulip Head in Bloom

Objectives

To discover which tulip heads open the quickest.

To accurately collect data to prove which opened the fastest.

Materials

- 3 pots of planted tulips all the same type and colour
- thread

1 pot to be placed in the fridge for the entire length of the experience

1 pot to be put in the fridge only at night, no direct sun in the daytime.

1 pot to remain in the classroom in a sunny window

1. Label each pot 1, 2 and 3, label as well which will be going to the fridge etc.
2. Label each tulip in each pot with a tulip tag so that data can be collected properly.

Procedure

1. Measure the circumference of the tulip heads on all tulips in the morning and at the end of the school day. (Measure the circumference by using a small piece of string. Wrap the string around the head just so that the thread touches lightly. Remove the thread and measure.)

Name: _____

Flowerpot # _____ Location _____

Day 1

Tulip	AM Measurement	PM Measurement	Difference between AM and PM
Tulip 1			
Tulip 2			
Tulip 3			
Tulip 4			
Tulip 5			
Tulip 6			

Day 2

Tulip	AM Measurement	PM Measurement	Difference between AM and PM
Tulip 1			
Tulip 2			
Tulip 3			
Tulip 4			
Tulip 5			
Tulip 6			

Day 3

Tulip	AM Measurement	PM Measurement	Difference between AM and PM
Tulip 1			
Tulip 2			
Tulip 3			
Tulip 4			
Tulip 5			
Tulip 6			

Day 4

Tulip	AM Measurement	PM Measurement	Difference between AM and PM
Tulip 1			
Tulip 2			
Tulip 3			
Tulip 4			
Tulip 5			
Tulip 6			

Day 5

Tulip	AM Measurement	PM Measurement	Difference between AM and PM
Tulip 1			
Tulip 2			
Tulip 3			
Tulip 4			
Tulip 5			
Tulip 6			

Daytime in classroom, nighttime in fridge

Conclusions

1. What conclusions can you draw from your data? What differences did you notice in the tulip petals in the various locations?

Fridge:

Fridge only at night, no direct sun in the daytime:

Classroom, direct sunshine:

2. Which type of weather would be best for the Canadian Tulip Festival tulips, which weather would make the tulips last the longest? Very sunny and hot, mild temperature and partially cloudy, or rainy and cold. Explain your answer.
3. Which type of weather is best for the people trying to enjoy the tulips at the Canadian Tulip Festival. Explain your answer.